

SEQUENCE LISTING

<110> Hansen, Rhonda

<120> GENE PRODUCTS DIFFERENTIALLY EXPRESSED
IN CANCEROUS BREAST CELLS AND THEIR METHODS OF USE

<130> 22300-21052.00

<140> 10/501,187

<141> 2006-01-13

<150> PCT/US03/00657

<151> 2003-01-08

<150> 60/345,637

<151> 2002-01-08

<160> 523

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 114

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 70

<223> n = A,T,C or G

<400> 1

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gccagaaggn aagggttcctt cctggtggac tgcagcaaag ctggctccaa catg 114

<210> 2

<211> 430

<212> DNA

<213> Homo sapiens

<400> 2

gggactcgcc acctcctctt gcacccctgc caggcccagc agccaccaca gcgcctgctt 60
cctcggccct gaaatcatgc cctaggtct cctgtggctg ggcctagccc tgttgggggc 120
tgtgcatgcc caggcccagg actccacctc agacctgac ccagcccac ctctgaacaa 180
ggtccctctg cagcagaact tgcaggacaa ccaattccag gggaagtggg atgtggtacg 240
cctggcaggg aatgcaattc tcagagaaga caaagaccg caaaagatgt atgccaccat 300
ctatgagctg aaagaagaca agagctacaa tgtcacctcc gtccctgttta ggaaaaagaa 360
gtgtgactac tggatcacga cttttgttcc aggttgccag cccggcgagt tcacgctggg 420
caacattaag 430

<210> 3

<211> 527

<212> DNA

<213> Homo sapiens

<400> 3

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agttgaatca caatgagacc gttggctttg aatttgagtc gttgggtccc atgggtgagat 180
gcttgtaag actttatact tgggtcaatc tctcacttta tttttagaaa ccatttgaaa 240
tcctaggatg tgcttgttct ggaaggatga catgggcccc gactgaacaa gtcagcttga 300
tgatcttaaa tgatggaagt ataggacgtt gcttatttta aaacaaggga aggacacaaa 360
atggaatgac tgcttagtcc tttctcagat actcttaaaa caatttttta ttgttaaatt 420
tgtggttaata catggtcaca accgtggatc aaacaaggtc agtctaaagt ggcaggtcct 480
agggtgtgacc tgataccacc accctttgtg gcagcaccgg gctggac 527
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<210> 4

<211> 262

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 186, 188

<223> n = A,T,C or G

<400> 4

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aggagtgtgg ctaccacttg gcccctctcg atctgcgcgc ggctgccaca tactggtctg 120
gagtgggact gactggctcc agacagacca tgttctacac agagggtgaca gatgcccgagc 180
gtacgntncc aggtgggggc ctggtggagg aggggtgagct cattgagggtg gtgcacctgc 240
ccctggaagg cgcccaggcc tt 262
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<210> 5

<211> 201

<212> DNA

<213> Homo sapiens

<400> 5

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gaaggaagga agagcctcaa aataagtgtg caccatgca catattcagg aacagcttgt 120
ttagtcttta cactttgcct gaaagttgct tctcctcgtc cctttgtgtg cctgggtggc 180
ctcgccctg tgcgttggca a 201
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<210> 6

<211> 621

<212> DNA

<213> Homo sapiens

<400> 6

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acatccagat gaccagctct ccacccctcc tgtctgcac tggtggagac agagtaccca 120
tcgcttgccg ggcaagtcag agcattggca tctattttaa ttggtatcaa caaaaaccag 180
ggaaagcccc taaactcctg atctatgatt catccagatt gcaaagtggg gtcccatcaa 240
ggttcagtgg cagtggaggt gggacacact tcaactctcac catcagcagt ctgcaacctg 300
aagatttagc aacttactac tgtcaacaag ggtacagtac acctggcacc ttcggccaa 360
ggacacgact ggaaattaaa cgaactgtgg ctgcaccatc tgtcttcac ttcccgccat 420
ctgatgagca gttgaaatct ggaactgcct ctgttgtgtg cctgctgaat aacttctatc 480
ccagagaggc caaagtacag tggaaggtgg ataacgcctt ccaatcggtt aactcccagg 540
aggggtgtca cagagcagga cagcaaggac agcacctaca gcctcagcag caccctgacg 600
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ctgagcaaag cagactacga g

621

<210> 7

<211> 548

<212> DNA

<213> Homo sapiens

<400> 7

gacagcatgg	acatgagggt	ccccgctcag	ctcctggggc	tectgctact	ctggctccga	60
ggtgccagat	gtgacatcca	gatgaccacg	tctccatcct	ccctgtctgc	atctgttgga	120
gacagagtca	ccatcgcttg	ccgggcaagt	cagagcattg	gcattctattt	aaattgggtat	180
caacaaaaac	cagggaaagc	ccctaaactc	ctgatctatg	attcatccag	attgcaaagt	240
gggggtcccat	caagggttcag	tggcagtgga	ggtgggacac	acttcactct	caccatcagc	300
agtctgcaac	ctgaagatth	agcaacttac	tactgtcaac	aagggtacag	tacacctggc	360
accttcggcc	aagggacacg	actggaaatt	aaacgaactg	tggctgcacc	atctgtcttc	420
atcttcccg	catctgatga	gcagttgaaa	tctggaaactg	cctctgttgt	gtgcctgctg	480
aataactttct	atcccagaga	ggccaaagta	cagtggagg	tggataacgc	cctccaatcg	540
ggtaactc						548

<210> 8

<211> 430

<212> DNA

<213> Homo sapiens

<400> 8

tatacacaac	atthatttca	aactattggg	agggatgaga	gtggcttaaa	aacttccatc	60
cctacttttc	aagagtgcag	ttgattctga	atctgaaagc	ccgcctctgt	cctaaaatac	120
aaacaagcac	agacattaaa	cctggatact	atatgataaa	gagggatgta	actattgaat	180
tggatacaag	gatcagaatg	gaaagaaact	cacgatgaaa	ttgaacctgg	tttttgtata	240
tttatcaaac	ttgtgctgag	aatagtgtct	gattatacga	cttttaagca	aagttgggtg	300
taattagggtg	aaaacagccc	aggtcctccc	gggagcacag	aggggctagg	ggctgggtcct	360
tctcgtttgc	tctagtcttg	ctttgctgtc	tgggtgtagct	cctctgctgc	tcccatctgc	420
actaattgac						430

<210> 9

<211> 493

<212> DNA

<213> Homo sapiens

<400> 9

ctcactatth	ggaatthggc	cctcgaggcc	aagaatthcg	cacgaggcgg	cacgagggtg	60
aactattgaa	ttggatacaa	ggatcagaat	ggaaagaaac	tcacgatgaa	attgaacctg	120
gtttttgtat	atthtatcaaa	cttgtgtctga	gaatagtgtc	tgattatacg	acttttaagc	180
aaagttgggt	gtaattagg	gaaaacagcc	caggtcctcc	cgggagcaca	gaggggctag	240
gggctgggtc	ttctcgtttg	ctctagtctt	gctttgtctg	ctgggtgtagc	tcctctgctg	300
ctcccatctg	cactaattga	cccaaaacgt	gggtatthtc	tgctacacaa	aagccaaaag	360
gtttcatgta	gattthtagtt	cactaaagg	tgccacacaa	atagagatta	atthtaactt	420
aaatthtaag	cttgaagatt	aggtactatc	tgtgaagtta	cactththth	ththththth	480
aaggaaaaaa	tgt					493

<210> 10

<211> 472

<212> DNA

<213> Homo sapiens

<400> 10

cggcacgagg	tgtaactatt	gaattggata	caaggatcag	aatggaaaga	aactcacgat	60
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gaaattgaac	ctgggtttttg	tatatattatc	aaacttgtgc	tgagaatagt	gtctgattat	120
acgactttta	agcaaagttg	ggtgtaatta	ggtgaaaaca	gcccgaggtcc	tcccgggagc	180
acagagggggc	taggggctgg	tccttctcgt	ttgctctagt	cttgctttgc	tgtctgggtgt	240
agctcctctg	ctgctcccat	ctgcactaat	tgacccaaaa	cgtgggtatt	tcctgctaca	300
caaaagccaa	aagggtttcat	gtagatttta	gttactataa	gggtgcccac	aaaatagaga	360
ttaatttttaa	cttaaatttt	aagcttgaag	attaggtact	atctgtgaag	ttacactttt	420
ttattttttt	ttaaaggtag	agatgtgtgt	gtgtgtaggt	attaaagatg	tg	472

<210> 11
 <211> 271
 <212> DNA
 <213> Homo sapiens

<400> 11						
gtttttcttt	tttttataca	caacatttat	ttcaaactat	tgggagggat	gagagtggct	60
taaaaacttc	catccctact	tttcaagagt	gcagttgatt	ctggggggga	aagcccgccct	120
ctgtcctaaa	atacaaaaca	gcacagacat	taaacctgga	tactatatga	taaagaggga	180
tgtaaactatt	gaattggata	caaggatcag	aatggaaaga	aactcacgat	gaaattgaac	240
ctgggtttttg	tatatattatc	aaacttgtgc	t			271

<210> 12
 <211> 343
 <212> DNA
 <213> Homo sapiens

<400> 12						
gtttttcttt	tttttataca	caacatttat	ttcaaactat	tgggagggat	gagagtggct	60
taaaaacttc	catccctact	tttcacgagt	gcagctgatt	ctgaatctga	aagcccgccct	120
ctgtcctaaa	atacaaaacac	gcacagacat	tagacctgga	tactatatga	tacagaggga	180
tgtaaactatt	gaattggata	cacggatcac	aatggaaaga	aactcacgat	gaaattgaac	240
ctggctttttg	tatatattatc	aaacttgtgc	tgagaatagc	gcctgattat	acgactttta	300
agcaaagctg	ggtgtaatta	ggtgaaaaca	gccacgtcc	tcc		343

<210> 13
 <211> 345
 <212> DNA
 <213> Homo sapiens

<400> 13						
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taacacacgc	tccagccctt	catcagcctg	ggcagtcctta	ccaaaatggt	taaagtgatc	120
tcagagggggc	ccatggatta	acgccctcat	cccaagggtcc	gtcccatgac	ataacactcc	180
acacccgccc	cagccaactt	catgggtcac	tttttctgga	aaataatgat	ctgtacagac	240
aggacagaat	gaaactcctg	cgggtctttg	gcctgaaagt	tgggaatggt	tgggggagag	300
aagggcgagc	gcttattggt	ggtcttttca	ccattggcag	aaacg		345

<210> 14
 <211> 401
 <212> DNA
 <213> Homo sapiens

<400> 14						
ttttccaagt	cggtttcagt	cccttccttg	gtctgaagaa	attctgcagt	ggcgagcagt	60
ttcccacttg	ccaaagatcc	cttttaacca	acactagccc	ttgtttttta	cacacgctcc	120
agcccttcat	cagcctgggc	agtcttacca	aaatgtttta	agtgatctca	gagggggcca	180
tggattaacg	ccctcatccc	aagggtccgtc	ccatgacata	acactccaca	cccggccccag	240
ccaacttcat	gggtcacttt	ttctggaaaa	taatgatctg	tacagacagg	acagaatgaa	300

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actcctgcgg ctctttggcc tgaaagttgg gaatggttgg gggagagaag ggcagcagct 360
tattggtggt cttttcacca ttggcagaaa cagtgaagagc t 401
```

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<210> 15
<211> 442
<212> DNA
<213> Homo sapiens
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<400> 15
ggcagcgggc ccacatgtct ctcaagtacc tgtcccctcg ctctggtgat tatttcttgc 60
agaatcacca cagcagacca tcccggcagt catggttttg ctttagtttt ccaagtcctg 120
ttcagtcctt tccttggtct gaagaaattc tgcagtggcg agcagtttcc cacttgccaa 180
agatcccttt taaccaaacac tagcccttgt ttttaacaca cgctccagcc cttcatcagc 240
ctgggcagtc ttaccaaaat gtttaaagtg atctcagagg ggcccatgga ttaacgccct 300
catcccaagg tccgtcccat gacataaacac tccacacccg cccagccaa cttcatgggt 360
cactttttct ggaaaataat gatctgtaca gacaggacag aatgaaactc ctgcggtctt 420
ttggcctgaa agtggaatg gt 442
```

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<210> 16
<211> 256
<212> DNA
<213> Homo sapiens
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<220>
<221> misc_feature
<222> 96
<223> n = A,T,C or G
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```
<400> 16
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tggaataatat ggaatgtcat ctacgaagaa aactgnttta agccacagac cattaaaaga 120
ccttaaatcc tttggcttct ggtcaaggga caagtgaaga gaacactttt tacagttggc 180
tagaaggtct ctgtgtagaa aaaagagctt ctacagactt atatctggcc tacatgcaag 240
ccattaatgt gcattt 256
```

```
<210> 17
<211> 405
<212> DNA
<213> Homo sapiens
```

```
<400> 17
attctgtgat ttatttgaaa ctgtgaaacc atgtgccata atagaatttt gagaattttg 60
cttttaccta aattcaagaa atgaaatta cacttttaag ttagtggtgc ttaagcataa 120
tttttcctat attaaccagt attaaaatct caagtaagat tttccagtgc cagaacatgt 180
taggtggaat tttaaaagtg cctcggcatc ctgtattaca tgcatagaa ttgtaaagtc 240
aacatcaatt actagtaatc attctgcact cactgggtgc atagcatggt tagaggggct 300
agagatggac agtcatcaac tggcggatat agcggatcat atgacctta gccaccaggg 360
cacaagctta ccagtagaca atacagacag agcttttgtt gagct 405
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```
<210> 18
<211> 447
<212> DNA
<213> Homo sapiens
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<400> 18
tgtgatttca tttgaaactg tgaaaccatg tgccataata gaattttgag aattttgctt 60
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ttacctaaat	tcaagaaaat	gaaattacac	ttttaagtta	gtggtgctta	agcataat	120
ttcctatatt	aaccagtatt	aaaatctcaa	gtaagat	ccagtgccag	aacatgttag	180
gtggaat	aaaagtgcct	cggcatcctg	tattacatgt	catagaattg	taaagtcaac	240
atcaattact	agtaatcatt	ctgcactcac	tgggtgcata	gcatgggttag	aggggctaga	300
gatggacagt	catcaactgg	cggatatagc	ggtacatatg	atccttagcc	accagggcac	360
aagcttacca	gtagacaata	cagacagagc	ttttgttgag	ctgtaactga	gctatggaat	420
agcttctttg	atgtacctct	ttgcctt				447

<210> 19
 <211> 294
 <212> DNA
 <213> Homo sapiens

<400> 19						
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ttacctaaat	tcaagaaaat	gaaattacac	ttttaagtta	gtggtgctta	agcataat	120
ttcctatatt	aaccagtatt	aaaatctcaa	gtaagat	ccagtgccag	aacatgttag	180
gtggaat	aaaagtgcct	cggcatcctg	tattacatgt	catagaattg	taaagtcaac	240
atcaattact	agtaatcatt	ctgcactcac	tgggtgcata	gcatgggttag	aggg	294

<210> 20
 <211> 562
 <212> DNA
 <213> Homo sapiens

<400> 20						
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acatatttcta	cacttcaaag	ctttggagca	attcccatcg	accagagttg	gtccgaccag	120
ccttggaag	gtcactgaaa	aatcttcaat	tggactatgt	tgacctctat	cttattcatt	180
ttccagtgtc	tgtaaagcca	ggtgaggaag	tgatcccaa	agatgaaaat	ggaaaaatac	240
tattttgacac	agtggatctc	tgtgccacat	gggaggccat	ggagaagtgt	aaagatgcag	300
gattggccaa	gtccatcg	gtgtccaact	tcaaccacag	gctgctggag	atgatcctca	360
acaagccagg	gctcaagtac	aagcctgtct	gcaaccaggt	ggaatgtcat	ccttacttca	420
accagagaaa	actgctggat	ttctgcaagt	caaaagacat	tgttctgggt	gcctatagtg	480
ctctgggac	ccatcgagaa	gaaccatggg	tggacccgaa	ctccccgggtg	ctcttgagg	540
accagtcct	ttgtgccttg	gc				562

<210> 21
 <211> 721
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 626, 685, 696
 <223> n = A,T,C or G

<400> 21						
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gaagagagaa	gacatattct	acacttcaaa	gctttggagc	aattcccatc	gaccagagtt	120
ggtcccgacc	agccttgga	aggtcactga	aaaatcttca	attggactat	gttgacctct	180
atcttattca	ttttccagt	tctgtaaagc	cagggtgagga	agtgatccca	aaagatgaaa	240
atggaaaaat	actatttgac	acagtggatc	tctgtgccac	atgggaggcc	atggagaagt	300
gtaaagatgc	aggattggcc	aagtccatcg	gggtgtccaa	cttcaaccac	aggctgctgg	360
agatgatcct	caacaagcca	gggtcaagt	acaagcctgt	ctgcaaccag	gtggaatgtc	420
atccttactt	caaccagaga	aaactgctgg	atttctgcaa	gtcaaaagac	attgttctgg	480

ttgcctatag	tgctctggga	tcccatcgag	aagaaccatg	ggtggaccgg	aactccccgg	540
tgctcttgga	ggacccagtc	ctttgtgcct	tggcaaaaaa	gcacaagcga	acccaccct	600
gattgccctg	cgctaccagc	ttgcancgtg	gggttgtggg	cctggccaag	agcttcaatg	660
agcacgcac	agacagaacg	tgcangtggt	tgaatncagt	tgacttcaga	aggagatgaa	720
a						721

<210> 22
 <211> 496
 <212> DNA
 <213> Homo sapiens

<400> 22						
agatgataac	cagaagtcctg	catttgaagt	tcacaaaagt	aatcaagctc	aaacagttag	60
tgagaggcag	aagaacagac	ctaaatcttg	taaaaaagga	aaaaatatta	gggaagatga	120
tcctgtaaga	atggtgcaaa	ctggtgcaaa	gaaattcgac	ttcagtaatt	tgagtagtag	180
gtagatgga	gtcagatttg	aaaatgaaaa	aaattaatgt	tattgccaag	aacactggta	240
ataaactgaa	gctaagtcag	aaaaaatggt	tgtttgctag	atcccaatgg	agaaaagtgt	300
gtaactgctc	ctcgtcaggt	ctctgctctt	caccataaag	acattgctct	gtctttgggt	360
gctgcaagtg	atggagctac	agtctgtgtt	accacaaggg	gagatattta	cttacttgca	420
gactatcagt	gcaagaagat	ggcttctaaa	cagttgaact	tgaaaaaagt	tcttgtgtct	480
gggggtcata	tggaat					496

<210> 23
 <211> 549
 <212> DNA
 <213> Homo sapiens

<400> 23						
ctgcatttga	agttcacaaa	agtaatcaag	ctcaaacagt	tagtgagagg	cagaagagca	60
gacctaaatc	ttgtaaaaaa	ggaaaaaata	ttaggggaaga	tgatcctgta	agaatggtgc	120
aaactggtgc	aaagaaattc	gacttcagta	atttgagtag	taggttagat	ggagtcagat	180
ttgaaaatga	aaaaaattaa	tgttattgcc	aagaacactg	gtaataaact	gaagctaagt	240
cagaaaaaat	ggttgtttgc	tagatcccaa	tggagaaaag	tgtgtaactg	ctcctcgtca	300
ggtctctgct	cttcaccata	aagacattgc	tctgtctttg	ggtgctgcaa	gtgatggagc	360
tacagtctgt	gttaccacaa	ggggagatat	ttacttactt	gcagactatc	agtgcaagaa	420
gatggcttct	aaacagttga	acttgaaaaa	agttcttgtg	tctgggggtc	atatggaata	480
caaggttgat	cctgaacatt	tgaagaaaaa	tgggggtcaa	aaaatttgca	ttcttgcaat	540
ggatggagc						549

<210> 24
 <211> 55
 <212> DNA
 <213> Homo sapiens

<400> 24						
gtgtctgcct	tcacaaatgt	cattgtctac	tcctagaaga	accaaatacc	tcaat	55

<210> 25
 <211> 498
 <212> DNA
 <213> Homo sapiens

<400> 25						
tccttattta	tttaacttca	cccgagttcc	tctgggtttc	taagcagtta	tggtgatgac	60
ttagcgtcaa	gacatttgct	gaactcagca	cattcgggac	caatatatag	tggttacatc	120
aagttcatct	gacaaaatgg	ggcagaagag	aaaggactca	gtgtgtgatc	cggtttcttt	180
ttgctcgccc	ctgttttttg	tagaatctct	tcatgcttga	catacctacc	agtattattc	240

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ccgacgacac atatacatat gagaatatac cttatatttatt tttgtgtagg tgtctgcctt 300
cacaaatgtc attgtctact cctagaagaa ccaaatacct caatttttgt ttttgagtac 360
tgtactatcc tgtaaatata tcttaagcag gtttgttttc agcactgatg gaaaatacca 420
gtgttggggt ttttttttagt tgccacagtt gtatgtttgc tgattattta tgacccgaaa 480
aatatatttc ttctccta
498

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<210> 26
<211> 325
<212> DNA
<213> Homo sapiens

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<400> 26
gtcgtgcct ctggggggcgc tgtacaccgc ggccgtcgcg gcttttagtgc tgtacaagtg 60
tgtggggggg ggagatgaaa ctgcggttct ccaccaggag gcaagcaagc agcagccact 120
gcagtcagag caacagctgg cccagttgac acaacagctg gccagacag agcagcacct 180
gaacaacctg atggcccagc tggacccctt ttttgagccg tgtgactact ctggctggag 240
cccagcagga gcttctgaac atgaagctat ggaccatcca cgagctgctg caagatagca 300
agccggacaa ggatatggag gcttc
325

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```

<210> 27
<211> 166
<212> DNA
<213> Homo sapiens

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<400> 27
gaatccagca tcttaaagtt gcatatgtgt agcactaatg tttcttttta aatagttggg 60
ggaaaatgac ctagaaaacc aaattgcagt ttggtagcca aaattaactc ttggtttatt 120
tgtcctttgt gtgtgaaaag tctactatt ccgtgcgtca gacttc
166

```

```

<210> 28
<211> 501
<212> DNA
<213> Homo sapiens

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```

<400> 28
tttttttttt tttttttttt tttttcgcag ctgaattaca tttactgtac aaagaacggt 60
tcggagagaa ccaggaatgg cggagtgtct aacagcagcg cgggtagtgt tgatgccgtg 120
aatgcaggac catccaggtc ctcaaagtct gcgaggtttg ttcataatcc caaacaaggg 180
ccctgctggc agcaacagga caggtggggc caggacaggg aagctggagc aggaggccag 240
tgtctttggg ggctgtggca gggccgcctg cctgggggtc ccttactcat ctggtagttc 300
atgcaggcca cggccctcat ctcccaggaa cgggccatgg ggcgagtcca ctggtgcca 360
gtaacaccct ccgtgggacc accttgggaa gcatgtgccg cggagtccac cacggggggg 420
cctgggtccc gggagggctc cttctgcgtg ctggccatgt cgtgccgcac ggctgagga 480
caggaggtag aggtgagcac c
501

```

```

<210> 29
<211> 149
<212> DNA
<213> Homo sapiens

```

```

<400> 29
cgtcccggag gtgcggtgtg gggcaccggg cggggccgcg ggaaccggcg cccacggag 60
ctgctgctgt cagaccaacc ccggggcccc atcatcactg cgccgcgctt tcaggcgccg 120
agaactaccg ttcccggcat gccatgaaa
149

```

```

<210> 30
<211> 475

```


<212> DNA
<213> Homo sapiens

<400> 30
agcagtaaac agggctgcta tgccctgctct gtagtggtgg acggcgaagt aaagcattgt 60
gtcataaaca aaacagcaac tggctatggc ttgtccgagc cctataactt gtacagctct 120
ctgaaagaac tgggtgctaca ttaccaacac acctcccttg tgcagcacia cgactccctc 180
aatgtcacac tagcctaccc agtatatgca cagcagagggc gatgaagcgc ttactctttg 240
atcctttctcc tgaagttcag ccaccctgag gcctctggaa agcaaagggc tcctctccag 300
tctgatctgt gaattgagct gcagaaacga agccatcttt ctttggtatg gactagagct 360
ttctttcaca aaaaagaagt aggggaagac atgcagccta aggctgtatg atgaccacac 420
gttcctaagc tggagtgcct atcccttctt tttctttttt tctttggttt aattt 475

<210> 31
<211> 570
<212> DNA
<213> Homo sapiens

<400> 31
cttttttttt tttttttttt tactggcatc ctgtacattt actttttaaaa aaggataaca 60
aaaatgaata ttaacaaaaa tccgggacaa caatattttt aagcaacaaa aactgggggtg 120
gggaagctta ttctgaaggt acatttaaaa ctgaaataac aacttaatga aaattaagaa 180
ttgcatagcg ctgtgaattt agccttcagc aaaacaaaaac agaagctatt tgggtattgat 240
acaaatccat ctatttgata gttagtcac caatattatg tacatatttt atatactgaa 300
tgtcatttta agtcctgttt tccaaactcc atttttctgt tgctgggttt ttgttttttg 360
acaagttaaa cactttcttg cactttctat gacagaattt cttctgaaca tacatgaact 420
gacattctcc caaagcgtcc cttgtgagtg gacgcgcctt tctgctacat atcgttcatt 480
tgttacaaaa tgaaataatc cacagtgcga tgtgtctggg tccaccgtgc acagcaacat 540
ccaggctaaa ccaggctgga ccaaacttc 570

<210> 32
<211> 645
<212> DNA
<213> Homo sapiens

<400> 32
tccgagcgtc gggagcctgt ggaagagaag agcgcgcggg cgacagttaa acaggcccga 60
ggcagagaaa ccgccctagc agctctcgcg cgcccggtgc aggcggcggt tgctgctggag 120
gtccgtgcac agactgcttt gcctgttggt gctcttcgga ggcggcgatc cccgaaggcg 180
agctgaaata cggctgcagg ctacaatttg cagccgacga ttaaggaaga cgacgagcgg 240
gagaggtggc ccaccctcat ggagcgcttg tgctcggtat gcttcgcatt tccccattac 300
tacattaaac cgtatcatct gaagaggatc cacagagctg tcttacgtgg taatctggag 360
aaactgaagt accttctgct cactgattat gacgccata agagagacag gaaggaaagg 420
actgccctac atttgccctg tgccactggc caaccggaaa tggtagatct cctggtgtcc 480
agaagatgtg agcttaacct ctgcgaccgt gaagacagga cacctctgat caaggctgta 540
caactgaggc aggaggtctg tgcaactctt ctgctgcaaa tggcgccgat ccaaatatta 600
cggatgtctt tggaaggact gctctgcact acgctgtgta taatg 645

<210> 33
<211> 572
<212> DNA
<213> Homo sapiens

<400> 33
ctaactgagt aacattcatg aaatgaggct ttctgtggcg gcgtagtggt tggaattaga 60
aggtaattca gtagagtgtg acttagagaa tattgcaagt gacacattga atcctgcccg 120
tcagggcacc ttttctcag agcaatccgg ccacacgaat agaaggctgt cgtgaatcac 180

```

atcagatgta aaatcattcc ttctgtttac tcttttaatt ttcatecttt gcaggtagtgt 240
caaattcaac ttcaaatatg gtgtagggttt tgctagattc catatTTTTT tcttggatttt 300
ttgctaatta ttttttagcaa aaaattttttg ctcatgtggca ccctccctag tgtccatggg 360
ttagggccat gctggggaaa acggggccggt atttacacac gcgcaaaaca cccagagacg 420
gcacaaggag gttgaactca tgtttcagtt cgcgaaacatt gactccttac gaaagtcact 480
tcattctaac tagatgcgcc cacttctggt cattatttcg tttgcatgat gtattgcttc 540
ttcacgtttt gtttttattg agcacggagt ag 572

```

```

<210> 34
<211> 701
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 34, 41, 43, 52, 58, 72, 180, 204, 205, 211, 214, 228, 243,
253, 269, 271, 295, 315, 343, 429, 439, 457, 483, 517, 529,
546, 554, 555, 557, 560, 561, 565, 627, 632, 637, 644, 655,
659, 662, 672, 680, 689, 690, 698
<223> n = A,T,C or G

```

```

<400> 34
ggcacgaggc taactgtgta acatttatga aatntgctct ntntggcggc gnaggggncg 60
gaatgagaag gnaattcagt agagtgtaac ttagagaata ttgcaaggga cacattgaat 120
cctgcccgtc agggcacctt ttcctcagag caatccggcc acacgaatag aaggetgcgn 180
gaatcacatc agatgtaaaa tcannccctc ngngnactct tttaatntc atcctttgca 240
ggnagggcaa atncaacttc aaatatggng naggttttgc tagattccat atttntttct 300
tggatttttg ctaantattt ttagcaaaaa atttttgctc agnggcaccc tccttagtgt 360
ccatgggtta gggccatgct ggggaaaacg ggccgggtatt tacacacgcg caaaacaccc 420
agagacggna caaggaggnt gaactcatgt ttcagtnccg gaacattgac tccttacgaa 480
agncaattca ttctaactag atgcgcccac ttctggncat tattacgant gcatgaagga 540
ttgctncttc acgnntnggn nttantgagc acgggagtag aaattccagg gctggcttga 600
catcttccct gcatgctccc tcccagnnga cngtccntcc cttncacatg agganctgnc 660
gnccatggtg gntttctccn ttgggcctnn tgggactngg a 701

```

```

<210> 35
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 35
gctaactgag taacattcat gaaatgaggc tttctgtggc ggcgtagtgt ttggaattag 60
aaggtaattc agtagagtgt aacttagaga atattgcaag tgacacattg aatcctgccc 120
gtcagggcac cttttcctca gagcaatccg gccacacgaa tagaaggctg tcgtgaatca 180
catcagatgt aaaatcattc cttctgttta ctcttttaat tttcatectt tgcaggtagt 240
gcaaattcaa cttcaaatat ggtgtagggt ttgctagatt ccatatTTTT tcttggatt 300

```

```

<210> 36
<211> 374
<212> DNA
<213> Homo sapiens

```

```

<400> 36
tggtacgcct gcaggtaccg gtccggaatt cccgggtcga cccacgcgct cggagggggtc 60
ctggagaatg ggttacccca gttgtcttat ttaaagtgtt acccatcaga ttttaatttt 120

```

```

atctttctctt tgagagcttg gtaataagaa gcacttaaata cactccaaag aagacttttaa 180
aaagggagca gtgaaaaggt cttaataatt tattgattga attaagaaat actagctaata 240
taagaatctg agtctaaaca gcacagattt tttctttctg ctttttaaatt gtgtttttaa 300
aaaagagaca gggggctggg cgtggtggct cacgcctgta atcctagcac tttgggaggc 360
cgaggcgggt ggat 374

```

```

<210> 37
<211> 290
<212> DNA
<213> Homo sapiens

```

```

<400> 37
gaggggtcct ggagaaatgg gttacccag ttgtcttatt taaatggta cccatcagat 60
tttaatttta tcttctcttt gagagcttgg taataagaag cacttaaata actccaaaga 120
agacttttaa aagggagcag tgaaaaggtc ttaataattt attgattgaa ttaagaaata 180
ctagctaatt aagaatctga gtctaaacag cacagatttt ttctttctgc ttttaaattg 240
tgtttttaaa aaagagacag ggggctgggc gtggtggctc acgcctgtaa 290

```

```

<210> 38
<211> 405
<212> DNA
<213> Homo sapiens

```

```

<400> 38
gccctttcga ggggcgcgcc gggcaggtac ctgggattac aggcacccac caccacgcct 60
ggctaatttt tttttgtatc tttagtaggg ttttgccatg ttggccaggc tggctcttaa 120
ctcctacctc gtgatccacc cgccctcgcc ccccaaagtg ctaggaccac aggcgtgagc 180
caccacgccc agccccctgt ctcttttttt aaaacacaat ttaaaagcag aaagaaaaaa 240
tctgtgctgt ttagactcag attcttaatt agctagtatt tcttaattca atcaataaat 300
tattaagacc ttttcactgc tcccttttta aagtcttctt tggagtgatt taagtgcctc 360
ttattaccaa gctctcaaag agaagataaa attaaaatct gatgg 405

```

```

<210> 39
<211> 736
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 2, 3, 4, 5, 6, 7, 8, 9, 14, 15, 16, 17, 18, 19, 20, 21, 22,
23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36,
37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50,
51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64,
65
<223> n = A,T,C or G

```

```

<220>
<221> misc_feature
<222> 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80,
81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94,
95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107,
108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118
<223> n = A,T,C or G

```

```

<220>
<221> misc_feature
<222> 119, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636,

```

```

637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648,
649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660,
661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671
<223> n = A,T,C or G

<220>
<221> misc_feature
<222> 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683,
684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695,
696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707,
708, 709, 710, 711, 712, 713, 714, 729, 736
<223> n = A,T,C or G

<400> 39
gnnnnnnnna gacnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
cctgggatta caggcaccca ccaccacgcc tggctaattt ttttttgtat ctttagtagg 180
gttttgccat gttggccagg ctgggtcttta actcctacct cgtgatccac ccgcctcggc 240
cccccaaagt gctaggacca caggcgtgag ccaccacgcc cagccccctg tctctttttt 300
taaaacacaa tttaaaagca gaaagaaaaa atctgtgctg tttagactca gattcttaat 360
tagctagtat ttcttaattc aatcaataaa ttattaagac cttttcactg ctcccttttt 420
aaagtcttct ttggagtgat ttaagtgtct cttattacca agctctcaaa gagaagataa 480
aattaaaatc tgatgggtaa ccattttaat aagacaactg gggtaaccca tttctccagg 540
accctctctt gcaacagaga gctattctct ttctttggcc tagtaaacct ctgctcttaa 600
cctttaaaaa aaaaaaaaaa gtaccnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 660
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnncatagt 720
ggttctctng tgaaan 736

<210> 40
<211> 725
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 15, 16, 17, 18, 19, 20,
21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34,
35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48,
49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62,
63
<223> n = A,T,C or G

<220>
<221> misc_feature
<222> 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78,
79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92,
93, 94, 95, 96, 97, 98, 605, 606, 607, 608, 609, 610, 611,
612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623
<223> n = A,T,C or G

<220>
<221> misc_feature
<222> 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635,
636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647,
648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659,
660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670
<223> n = A,T,C or G

```

```

<220>
<221> misc_feature
<222> 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682,
683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694,
695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706,
707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717
<223> n = A,T,C or G

<400> 40
gnnnnnnnnnn annngnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 60
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 120
caccacgcct ggctaatttt tttttgtatc ttttagtaggg ttttgccatg ttggccaggc 180
tggtcttttaa ctctacctc gtgatccacc cgccctcgcc ccccaaagtg ctaggaccac 240
aggcgtgagc caccacgccc agccccctgt ctcttttttt aaaacacaat ttaaaagcag 300
aaagaaaaaa tctgtgctgt ttagactcag attcttaatt agctagtatt tcttaattca 360
atcaataaat tattaagacc ttttactgc tcccttttta aagtcttctt tggagtgatt 420
taagtgtctc ttattaccaa gctctcaaag agaagataaa attaaaatct gatgggtaac 480
catttaaata agacaactgg ggtaacccat ttctccagga cccctctctg caacagagag 540
ctattctctt tctttggcct agtaaaccct tgctcttaac ctttaaaaaa aaaaaaaaag 600
taccnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 660
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnggt 720
atccg 725

<210> 41
<211> 474
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 243, 267
<223> n = A,T,C or G

<400> 41
ccggaaaaaaa agaaccattt ggatacatag gtatgggtctg agctatgata tcaattggct 60
tcctagggtt tatcgtgtga gcacaccata tatttacagt aggaatagac gtagacacac 120
gagcatattt cacctccgct accataatca tcgctatccc caccggcgct aaagtattta 180
gctgactcgc cacactccac ggaagcaata tgaaatgatc tgctgcagtg ctctgagccc 240
tangattcat ctttcttttc accgtangtg gcctgactgg cattgtatta gcaaactcat 300
cactagacat cgtactacac gacacgtact acgttgtagc ccacttccac tatgtcctat 360
caataggagc tgtatttgcc atcataggag gcttcattca ctgatttccc ctattctcag 420
gctacacctt agaccaaacc tacgccaaaa tccatttcac tatcatattc atcg 474

<210> 42
<211> 540
<212> DNA
<213> Homo sapiens

<400> 42
cataggtatg gtctgagcta tgatatcaat tggcttctta gggtttatcg tgtgagcaca 60
ccatatattt acagtaggaa tagacgtaga cacacgagca tatttcacct ccgctaccat 120
aatcatcgct atccccaccg gcgtcaaagt atttagctga ctcgccacac tccacggaag 180
caatatgaaa tgatctgctg cagtgtctctg agccctagga ttcattcttc ttttcaccgt 240
aggtggcctg actggcattg tattagcaaa ctcatcacta gacatcgtag tacacgacac 300

```

gtactacgtt	gtagcccact	tccactatgt	cctatcaata	ggagctgtat	ttgccatcat	360
aggaggcttc	attcactgat	ttccccctatt	ctcagggtac	accctagacc	aaacctacgc	420
caaaatccat	ttcactatca	tattcatcgg	cgtaaactca	actttcttcc	cacaacactt	480
tctcggccta	tccggaatgc	cccgcacgta	ctcggactac	cccgatgcat	acaccacatg	540

<210> 43
 <211> 587
 <212> DNA
 <213> Homo sapiens

<400> 43						
gaccatgagt	catttagaat	agtgataaat	agaatacaca	gaatagtgat	gaaattcaat	60
ttaaaaaatc	acgttagcct	ccaaaccatt	taattcaa	gaacccatca	actggatgcc	120
aactctggcg	aatgtaggac	ctctgagtg	ctgtataatt	gttaattcaa	atgaaattca	180
tttaaacagt	tgacaaactg	tcattcaaca	attagctcca	gtaaataaca	gttatttcat	240
cataaaacag	tcccttcaaa	cacacaattg	ttctgctgaa	gagttgtcat	caacaatcca	300
atgctcacct	attcagttgc	tctgtggtca	gtgtggctgc	atagcagtg	attccatgaa	360
aggagtcatt	ttagtgatga	gctgccagtc	cattcccagg	ccaggctgtc	gctggccatc	420
cattcagtcg	attcagtc	aggcgaatct	gttctgccc	aggcttgtgg	tcaagcaaaa	480
attcagccct	gaaatcaggc	acatctgttc	gttggtactaa	accacaggt	tagttcagtc	540
aaagcaggca	acccccttgt	gggcactgac	cctgccactg	gggtcat		587

<210> 44
 <211> 622
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 491, 541, 556, 561, 568, 578, 585
 <223> n = A,T,C or G

<400> 44						
accatgagtc	atttagaata	gtgataaata	gaatacacag	aatagtgtat	aaattcaatt	60
taaaaaaatca	cgttagcctc	caaaccattt	aattcaa	aaacccatcaa	ctggatgcc	120
actctggcga	atgtaggacc	tctgagtg	tgtataattg	ttaattcaa	tgaaattcat	180
ttaaacagtt	gacaaactgt	cattcaacaa	ttagctccag	taaataacag	ttatttcac	240
ataaaacagt	cccttcaaac	acacaattgt	tctgctgaag	agttgtcatc	aacaatccaa	300
tgctcaccta	ttcagttgct	ctgtggctcag	tgtggctgca	tagcgtggga	ttccatgaaa	360
ggagtcattt	tagtggtgga	gctgccagtc	cttcccgggc	cgggtgtcgc	tgggccatcc	420
ttcagtcgtt	tgcgtcatagg	cgatctgttc	tgcccgagg	ttgtggctcag	gcaaaattca	480
gccctgaatt	ngggcactct	gttcgttggg	ctaaaccccc	ggtagttca	gtcaaggcgg	540
naacccccctt	gtgggnactg	ncctggcntt	gggtctnng	cggntnngcc	gttggggagg	600
tttgccccca	cggcctctgt	gg				622

<210> 45
 <211> 340
 <212> DNA
 <213> Homo sapiens

<400> 45						
aaggcaggaa	tgtcaggcct	ctgagcccaa	gccaaagccat	cgcacccct	gtgacttgca	60
cgtatacacc	cagatggcct	gaagtaactg	aagaatcaca	aaagaagtga	aaaggccctg	120
ccccgcctca	actgatgaca	ttccaccatg	gtgatttgtt	cctgccccac	cttaactgag	180
tgattaaccc	tgtgaatttc	cttctcctgg	ctcagaagct	ccccactga	gcaccttgtg	240
acccccgccc	ctgcccacca	gagaacaacc	ccctttgact	gtaatttccc	atcaccttcc	300

caaatectat aaaacggccc caccctatc tccctttgct 340

<210> 46

<211> 394

<212> DNA

<213> Homo sapiens

<400> 46

aaggcaggaa	tgtcaggcct	ctgagcccaa	gccaagccat	cgcacccct	gtgacttgca	60
cgtatacacc	cagatggcct	gaagtaactg	aagaatcaca	aaagaagtga	aaaggccctg	120
ccccgcctca	actgatgaca	ttccaccatg	gtgatttggt	cctgccccac	cttaactgag	180
tgattaaccc	tgtgaatttc	cttctcctgg	ctcagaagct	ccccactga	gcaccttggt	240
acccccgccc	ctgcccacca	gagaacaacc	ccctttgact	gtaatttccc	atcaccttcc	300
caaatectat	aaaacggccc	caccctatc	tccctttgct	gactctcttt	ttggactcag	360
cccgcctgca	cccaggtgaa	ataaacagcc	atgt			394

<210> 47

<211> 246

<212> DNA

<213> Homo sapiens

<400> 47

tagccctgat	aggcgctatt	ttcctcctgg	ttttgtat	gaaccgcaag	gggataaaaa	60
agtggatgca	taacatcaga	gatgcctgca	gggatcacat	ggaagggtat	cattacagat	120
atgaaatcaa	tgcggacccg	gggattaaca	aacctcagtt	ctaactcgga	tgtctgagaa	180
atattagagg	acagaccaag	gacaactctg	catgagatgt	agacttaage	tttatcccta	240
ctaggc						246

<210> 48

<211> 336

<212> DNA

<213> Homo sapiens

<400> 48

acatatttcc	ttttcctcca	ttggccacaa	tgggctccaa	acaaccacat	gcagatttta	60
caaaaagaaa	gttccaaaac	tgctcaatca	aaagaaagat	tcaactctgt	gagatgaata	120
cacacatcac	aacgaagttt	ctcagaatgc	ttctgtgttg	tttttatgtg	aagatatttc	180
cttttccatc	ataggcctct	aagtgcacat	actatccact	tgcagattct	acaaaaagag	240
tgtttcaaaa	ctgctcaatc	aaaagaaagt	atcaactctg	tgaggaaatg	cacacatcac	300
aaagaagttt	ctcagaatga	ttctgtgtag	ttttta			336

<210> 49

<211> 518

<212> DNA

<213> Homo sapiens

<400> 49

cagaagggtc	tgcaagatgc	tgttcttggc	cactttcttt	cccacctggg	aaggcgccat	60
ctatgacttc	attggggagt	tcatgaaggc	cagcgtggat	gtgccagacc	tgataggtct	120
aaaccttgct	atgtcccgga	atgccggcaa	gggagagtac	aagatcatgg	ttgctgccct	180
gggctgggcc	actgctgagc	ttattatgtc	ccgctgcatt	cccctatggg	tcggagcccg	240
gggcattgag	tttgactgga	agtacatcca	gatgagcata	gactccaaca	tcagtctggg	300
ccattacatc	gtcgcgtctg	ctcaggtctg	gatgataaca	cgctatgatc	tgtaccacac	360
cttccggcca	gctgtcctcc	tgtgatgttt	cctcagtgct	tacaaggcct	ttgttatgga	420
gaccttcgtc	cacctctgct	cgctgggcag	ttgggcagct	ctactggccc	gagcagtggt	480
aacggggctg	ctggccctca	acactttggc	cctgtatg			518

<210> 50
 <211> 326
 <212> DNA
 <213> Homo sapiens

<400> 50
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 tcattgggga gttcatgaag gccagcgtgg atgtgccaga cctgataggt ctaaaccttg 120
 tcatgtcccg gaatgccggc aagggagagt acaagatcat ggttgctgcc ctgggctggg 180
 ccaactgctga gcttattatg tcccgctgca tccccctatg ggtcggagcc cggggcattg 240
 agtttgactg gaagtacatc cagatgagca tagactccaa catcagtctg gtccattaca 300
 tcgtcgcgtc tgctcaggtc tggatg 326

<210> 51
 <211> 331
 <212> DNA
 <213> Homo sapiens

<400> 51
 acattgaaaa aagtctagac aaactgaaag gcaataaatc ctatgtgaac atggacctct 60
 ctccggtggg agagtgcatt gaccacgctc taacaagtct ctccctaag actcattatg 120
 ccgctggaaa agatgccaaa attttctgga tacctctgtc tcacatgcca gcagctttgc 180
 aagacttttt attgttgaaa cagaaagcag agctggctaa tccaaggca gtgtgactca 240
 gctaaccaca aatgtctcct ccaggctatg aaattggccg atttcaagaa cacatctcct 300
 tttcaacccc attccttacc tgctccaacc g 331

<210> 52
 <211> 253
 <212> DNA
 <213> Homo sapiens

<400> 52
 acagaaggga tcgaagacaa attgaaggga gagatgatcg atctccaaca tggcagcctt 60
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 ctggctatta tcacggctgg ggcacgtcag caagaggag aaagccgtct taatttggtc 180
 cagcgtaacg tgaacatatt taaattcatc attcctaatt ttgtaaaata cagcccgaac 240
 tgcaagttgc tta 253

<210> 53
 <211> 356
 <212> DNA
 <213> Homo sapiens

<400> 53
 atcgaagaca aattgaaggg agagatgatg gatctccaac atggcagcct tttccttaca 60
 acaccaaaga ttgtctctgg caaagactat aatgtaactg caaactccaa gctggtcatt 120
 atcacggctg gggcacgtca gcaagaggga gaaagccgtc ttaatttggt ccagcgtaac 180
 gtgaacatat ttaaattcat cattcctaaa gttgtaaaat acagcccgaac ctgcaagttg 240
 cttattggtt caaatccagt ggatatcttg acctacgtgg cttggaagat aagtggtttt 300
 cccaaaaacc gtgttattgg aagagggttc aatctggatt caaccgcatt ccgcta 356

<210> 54
 <211> 570
 <212> DNA
 <213> Homo sapiens

<400> 54


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ccgctgccgc cgattccgga tctcattgcc acgcgcccc cgacgccgc cgacgtgcat 60
tcccgatccc ttttggttcc aagtccaata tggcaactct aaaggatcag ctgatttata 120
atcttctaaa ggaagaacag acccccaga ataagattac agttgttggg gttggtgctg 180
ttggcatggc ctgtgccatc agtatcttaa tgaaggactt ggcagatgaa cttgctcttg 240
ttgatgtcat cgaagacaaa ttgaaggagg agatgatgga tctccaacat ggcagccttt 300
tccttagaac accaaagatt gtctctggca aagactataa tgtaactgca aactccaagc 360
tggtcattat cacggctggg gcacgtcagc aagagggaga aagccgtctt aatttgggtcc 420
agcgtaacgt gaacatattt aaattcatca ttctaatgt tgtaaaatac agcccgaact 480
gcaagttgct tattgtttca aatccagtgg atatcttgac ctacgtggct tggaagataa 540
gtggttttcc caaaaaccgt gttattggaa 570

```

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<210> 55
<211> 223
<212> DNA
<213> Homo sapiens

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<400> 55
gccgctgccg ccgattccgg atctcattgc cgcgcgcccc cgacgccgc ccgacgtgca 60
ttcccgatcc cttttggttc caagtccaat atggcaactc taaaggatca gctgatttat 120
aatcttctaa aggaagaaca gacccccag aataagatta cagttgttgg ggttgggtgct 180
gttggcatgg cctgtgccat cagtatctta atgaaggact tgg 223

```

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<210> 56
<211> 337
<212> DNA
<213> Homo sapiens

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<400> 56
gatgcccata agatatggga agctatgtta tcaagccata ttagatatca agcattaata 60
tggaataaaa ccagcctggt tgggtgggctc ttacatgga cgcgcatgaa atttggtgcc 120
gtgactagga tcggggggacc tcccttggga gatcaatccc ctgtcctcct gctctttgct 180
ccgtgagaaa catgcaccta tggcctcatg ttctcaaacc gaccaaacca agaaacatct 240
caccaatttt aaatccgcct ggcttgtgag gccttttgac cccaattcaa gtcttttgat 300
accctgtgaa ttgcacccat actgcccaga tggctag 337

```

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<210> 57
<211> 473
<212> DNA
<213> Homo sapiens

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<400> 57
aaagatcaaa gtgctgggct ccggtgcggt cggcacgggt tataagggac tctggatccc 60
agaaggtag aaagttaaaa ttcccgtcgc tatcaaggaa ttaagagaag caacatctcc 120
gaaagccaac aaggaaatcc tcgatgaagc ctacgtgatg gccagcgtgg acaacccccca 180
cgtgtgccgc ctgctgggca tctgcctcac ctccaccgtg caactcatca cgcagctcat 240
gcccttcggc tgctcctgga actatgtcgc ggaacacaaa gacaatattg gctcccagta 300
cctgctcaac tgggtgtgtgc agatcgcaaa gggcatgaac tacttggagg accgtcgctt 360
ggtgcaccgc gacctggcag ccaggaacgt actggtgaaa acaccgcagc atgtcaagat 420
cacagatttt gggctggcca aactgctggg tgcggaagag aaagaatacc atg 473

```

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<210> 58
<211> 487
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature

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<222> 7
 <223> n = A,T,C or G

<400> 58
 actatcncce aggacatggg accatgctca gctgggttgc atcaagacct tgaaagacta 60
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 ccaccccatt attgtctgcc ttctaggtgc cgtcactcag gaacaacctg tgtgcatgct 180
 ttttgagtat attaatacagg gggatctcca tgagttcctc atcatgagat cccacactc 240
 tgatgttggc tgcagcagtg atgaagatgg gactgtgaaa tccagcctgg accacggaga 300
 ttttctgcac attgcaattc agattgcagc tggcatggaa tacctgtcta gtcacttctt 360
 tgtccacaag gaccttggca gctcgcaata ttttaatcgg agaggcaact ttcattgttaa 420
 aggttttcag gacttggggg ctttccagag gaaattttac tccgctgatt tactacaggg 480
 tacccaa 487

<210> 59
 <211> 532
 <212> DNA
 <213> Homo sapiens

<400> 59
 atagaagtct gggaaaaaaaa taaaaacaga atttgagaac cttggaccac tcctgtccct 60
 gtagctcagt catcaaagca gaagtctggc tttgctctat taagattgga aatgtacact 120
 accaaacact cagtccactg ttgagcccca gtgctggaag ggaggaaggc ctttcttctg 180
 tgttaattgc gtaaaggcta caggggttag cctggactaa aggcattcct gtcttttgag 240
 ctattcacct cagtagaaaa ggatctaagg gaagatcact gtagtttagt tctgttgacc 300
 tgtgcaccta ccccttggaa atgtctgctg gtattttctaa ttccacaggt catcagatgc 360
 ctgcttgata atatataaac aataaaaaaca accttcactt ctctctattg taatcgtgtg 420
 ccatggatct gatctgtacc atgacctac ataaggctgg atggcacccc aggctgaggg 480
 cccaatgta tgtgtggctg tgggtgtggg tgggagtgtg tctgctgagt aa 532

<210> 60
 <211> 608
 <212> DNA
 <213> Homo sapiens

<400> 60
 tacggccggg atagagtctg gaaaaaataa aaacagaatt tgagaacctt ggaccactcc 60
 tgtccctgta gctcagtcac caaagcagaa gtctggcttt gctctattaa gattggaaat 120
 gtacactacc aaacactcag tccactgttg agccccagtg ctggaaggga ggaaggcctt 180
 tcttctgtgt taattgcgta gaggtacag gggttagcct ggactaaagg catccttgtc 240
 ttttgagcta ttcacctcag tagaaaagga tctaaggga gatcactgta gtttagttct 300
 gttgacctgt gcacctaccc cttggaaatg tctgctggta tttctaattc cacaggatcat 360
 cagatgcctg cttgataata tataaacaat aaaaacaacc ttcacttctt cctattgtaa 420
 tcgtgtgcc a tggatctgat ctgtaccatg acctacata aggcctggatg gcacccaggg 480
 ctgagggccc caatgtatgt gtggctgtgg gtgtgggtgg gagtgtgtct gctgagtaag 540
 gaacacgatt ttcaagattc taaagctcaa ttcaagtgc acattaatga taaactcaga 600
 tctgatca 608

<210> 61
 <211> 480
 <212> DNA
 <213> Homo sapiens

<400> 61
 tagatgacac tgatgattct caccagtctt atgagtctca ccattctgat gaatctgatg 60
 aactggctac tgattttccc acggacctgc cagcaaccga agttttcact ccagttgtcc 120

ccacagtaga	cacatatgat	ggccgaggtg	atagtgtggt	ttatggactg	aggtcaaaat	180
ctaagaagtt	tgcgagacct	gacatccagt	accctgatgc	tacagacgag	gacatcacct	240
cacacatgga	aagcgaggag	ttgaatggtg	catacaaggc	catccccgtt	gcccaggacc	300
tgaacgcgcc	ttctgattgg	gacagccgtg	ggaaggacag	ttatgaaacg	agtcagctgg	360
atgaccagag	tgctgaaacc	cacagccaca	agcagtcag	attatataag	cggaaagcca	420
atgatgagag	caatgagcat	tccgatgtga	ttgatagtca	ggaactttcc	aaagtcagcc	480

<210> 62
 <211> 440
 <212> DNA
 <213> Homo sapiens

<400> 62						
aggagatccg	gcagatgggc	actgagtgcc	attacttcat	ctgtgatgtg	ggcaaccggg	60
aggaggtgta	ccagacggcc	aaggccgtcc	gggagaaggt	gggtgacatc	accatcctgg	120
tgaacaatgc	cgcctgggtc	catgggaagg	gcctaattga	cagtgatgat	gatgccctcc	180
tcaagtccca	acacatcaac	accctgggcc	agttctggac	caccaaggcc	ttcttgccgc	240
gtatgctgga	gctgcagaat	ggccacatcg	tgtgctcaa	ctcctgtctg	gcactgtctg	300
ccatccccgg	tgccatcgac	taccgcacat	ccaaagcgtc	agccttcgcc	ttcatggaga	360
gcctgacctt	ggggctgctg	gactgtccgg	gagtcagcgc	caccacagtg	ctgcccttcc	420
acaccagcac	cgagatgttc					440

<210> 63
 <211> 589
 <212> DNA
 <213> Homo sapiens

<400> 63						
ggcactgagt	gccattactt	catctgtgat	gtgggcaacc	gggaggaggt	gtaccagacg	60
gccaaaggccg	tccgggagaa	ggtgggtgac	atcaccatcc	tggatgaaca	tgccgccgtg	120
gtccatggga	agggcctaata	ggacagtgat	gatgatgcc	tcctcaagtc	ccaacacatc	180
aacaccctgg	gccagttctg	gaccaccaag	gccttcctgc	cgcgtatgct	ggagctgcag	240
aatggccaca	tcgtgtgcct	caactccgtg	ctggcactgt	ctgccatccc	cgggtgccatc	300
gactaccgca	catccaaagc	gtcagccttc	gccttcctgg	agagcctgac	cctggggctg	360
ctggactgtc	cgggagtcag	cgccaccaca	gtgctgcctt	tcacaccag	caccgagatg	420
ttccagggca	tgagagtcag	gtttcccaac	ctctttcccc	cactgaagcc	ggagacgggtg	480
gcccgaggga	cagtggaagc	tgtgcagctc	aaccaggccc	tcctcctcct	cccatggaca	540
atgcatgccc	tcgttatctt	gaaaagcata	cttccacagg	ctgcactcg		589

<210> 64
 <211> 313
 <212> DNA
 <213> Homo sapiens

<400> 64						
gcataattgtg	ctcgggggaag	ggttcttgtc	attgtgggaa	gtgcatttgt	tctgctgaag	60
agtggtatat	ttctggggag	ttctgtgact	gtgatgacag	agactgacg	aaacatgatg	120
gtctcatattg	tacaggggaat	ggaatatgta	gctgtggaaa	ctgtgaatgc	tgggatggat	180
ggaaatggaaa	tgcatgtgaa	atctggcttg	gtcagaata	tccttaacaa	ttacatgaga	240
gaggtctgga	ttcttatttt	ttctgggcca	ttagaacata	taaatgcgaa	ggaaaccatg	300
tatattcacc	act					313

<210> 65
 <211> 223
 <212> DNA
 <213> Homo sapiens

<400> 65
tgtgaatcag cagatggcat attgtgctcg gggaaggggt cttgtcattg tgggaagtgc 60
atttgttctg ctgaagagtg gtatatcttct ggggagttct gtgactgtga tgacagagac 120
tgcgacaaac atgatggctc catttgtaca gggaatggaa tatgtagctg tggaaactgt 180
gaatgctggg atggatggaa tggaaatgca tgtgaaatct ggc 223

<210> 66
<211> 424
<212> DNA
<213> Homo sapiens

<400> 66
ggtacagatt tagagcctgt aatcccagct acttgggagt ctaaggcaag agaatccctt 60
gaacctggga ggtggagatt gcagtgcgt gagatcacac cattgcccta cagcctgggt 120
gacagtgaga ctgccccaa gaaaaacaaa agagacagcc ctagtgatct tgaagtgtgc 180
ctttgggtgg tcagtctttc cttttcttaa agaatagtac acattgacag ccaggtagct 240
ctatgatcct gttctataga attcaaaaag tcgacaacct tcctttgttc ctttctgttt 300
tctctgccta cgttagttta aattggcagt gtctctgctg gaataatccc atctctcttc 360
ctggcttctg ctgagatggc tgattaaatc cttgggtcac acccattatc tctttatcaa 420
atgg 424

<210> 67
<211> 487
<212> DNA
<213> Homo sapiens

<400> 67
ctgtaatccc agctacttgg gagtctaagg caagagaatc ccttgaacct gggaggtgga 60
gattgcagtg agctgagatc acaccattgc cctacagcct gggtgacagt gagactgcc 120
caagaaaaaa caaaagagac agccctagt atcttgtaag ttgcctttgg tgggtcagtc 180
tttccttttc ttaaagaata gtacacattg acagccagg agctctatga tcctgttcta 240
tagaattcaa aaagtgcaca accttccttt gttcctttct gttttctctg cctacgttag 300
tttaaattgg cagtgtctct gctggaataa tcccatctct ctctctggct tctgctgaga 360
tggtctgatta aatccttggg tcacacccat tatctcttta tcaaagtgtt gttcaggcta 420
ggctcagtgt ttcacgcctg taatcccaac actttgggag actgaggagg gcagatcact 480
tgagctc 487

<210> 68
<211> 492
<212> DNA
<213> Homo sapiens

<400> 68
agtgcgcac cgacgctcaa acgcgcgctc caaccgcag cctcctcctg cctcaccgcc 60
cgaagatggc ggctctcaaa ctctctctct ccgggcttcg gctctgcgcc tctgcccgcg 120
gatctggggc aacctggtac aagggatgtg tttgttctct ttccaccagt gctcatcgcc 180
ataccaagtt ttatacagat ccagtagaag ctgtaaaaga catccctgat ggtgccacgg 240
ttttgggttg tgggttttgg ctatgtggaa ttccagagaa tcttatagat gctttactga 300
aaactggagt aaaaggacta actgcagtca gcaacaatgc aggggttgac aattttgggt 360
tggggctttt gcttcgggtc aagcagataa aacgcattgt ctcttcatat gtgggagaaa 420
atgcagaatt tgaacgacag tacttatctg gtgaattaga agtggagctg acaccacagg 480
gcacacttgc tg 492

<210> 69
<211> 494
<212> DNA

<213> Homo sapiens

<400> 69

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tttttttttt tttttttttt tccctttata aggcgatgta cataaatctg aggaatatgg 60
atgtcttctg gagcaaatgc tccaatatcc acaatttctt caacctctac cactgtgggt 120
tctgcagctt tgcacattgg caagttgaaa ttccttgcac ttttcctgaa aatcacgttt 180
cctgctcggg ccgccttcca ggctttcacc aaagcaaaat cccctgtaat tgcttcctcc 240
aaaataaagt gctgaccatt gaactccctc acctctcttg gcttattggc aatggcaaca 300
ctgccatctt tgttgtatct gatgggcat cctccttctt gtaccagggg ccataaccct 360
gttgggggtg aaaatgcagg aactccagcc ccgcctgcac ggatcctctc agcaagtgtg 420
ccctgtgggtg tcagctccac ttctaattca ccagataagt actgtcgttc aaattctgca 480
ttttctccca cata 494
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<210> 70

<211> 462

<212> DNA

<213> Homo sapiens

<400> 70

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catgatgtat tacaaggagg ctttctggaa gaagaaggat tactgtggct gcatgatcat 60
tgaagatgaa gatgctccaa tttcaataac cttggatgac accaagccag atgggtcact 120
gcctgccatc atgggcttta ttcttgcccg gaaagctggg cgacttgcta agctacataa 180
ggaaataagg aagaagaaaa tctgtgagct ctatgccaaa gtgctgggat cccaagaagc 240
tttacatcca gtgcattatg aagagaagaa ctggtgtgag gagcagtact ctgggggctg 300
ctacacggcc tacttccctc ctgggatcat gactcaatat ggaagggtga ttcgtcaacc 360
cgtgggcagg attttctttg cgggcacaga gactgccaca aagtggagcg gctacatgga 420
aggggcagtt gaggctggag aacgagcagc tagggaggtc tt 462
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<210> 71

<211> 626

<212> DNA

<213> Homo sapiens

<400> 71

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catgatgtat tacaaggagg ctttctggaa gaagaaggat tactgtggct gctgatcatt 60
gaaaatgaag atgctcaatt tcaataacct tggatgacac caagccagat gggtcactgc 120
ctgccatcat gggcttcatt cttgcccgga aagctggctg acttgctaag ctacataagg 180
aaataaggaa gaagaaaatc tgtgagctct atgccaaagt gctgggatcc caagaagctt 240
tacatccagt gcattatgaa gagaagaact ggtgtgagga gcagtactct gggggctgct 300
acacggccta cttccctcct gggatcatga ctcaatatgg aagggtgatt cgtcaacccg 360
tgggcaggat tttctttgcg ggcacagaga ctgccacaaa gtggagcggc tacatggaag 420
gggcagttga ggctggagaa cgagcagcta gggaggtctt aaatgggtctc ggggaaggta 480
ccgagaaaaga catctgggta caagaacctg aatcaaagga cgttccagcg gtagaaatca 540
cccacacctt ctgggaaagg aacctgccct ctgtttctgg cctgctgaag atcattggat 600
ttccacatca gtaactgccc tggggc 626
```

<210> 72

<211> 348

<212> DNA

<213> Homo sapiens

<400> 72

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tggtgaactg gtcattccatg aaaaagggtt ttactacatc tattcccaaa catactttctg 60
atctcaggag gaaataaaaag aaaacacaaa gaacgacaaa caaatgggtcc aatataattta 120
caaatacaca agttatcctg acctatatatt gttgatgaaa agtgctagaa atagttgttg 180
gtctaaagat gcagaatatg gactctatct catctatcaa gggggaatat ttgagcttaa 240
ggaaaatgac agaatttttg tttctgtaac aatgagcac ttgatagaca tggaccatga 300
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agccagtttt ttcggggcct ttttagttgg ctaactgacc tggaaaga 348

<210> 73
<211> 207
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 122, 123
<223> n = A,T,C or G

<400> 73
tcaactcagt ggaacacggt tctcccaaac agattttgta attccgaaaa ccacgcatgc 60
gcaaacatac gcatacactc ccatgttcct ggacagttta tagctaccat aacctggcat 120
tnnccaaaac ataccatggt agactcttgg atacacaagg taattttaga gccacattag 180
gatgaacctt ctgaaaaagt tatgcat 207

<210> 74
<211> 497
<212> DNA
<213> Homo sapiens

<400> 74
gagcttaagg aaaatgacag aatttttgtt tctgtaacaa atgagcactt gatagacatg 60
gaccatgaag ccagtttttt cggggccttt ttagttggct aactgacctg gaaagaaaaa 120
gcaataacct caaagtgact attcagtttt caggatgata cactatgaag atgtttcaaa 180
aaatctgacc aaaacaaaca aacagaaaac agaaaacaaa aaaacctcta tgcaatctga 240
gtagagcagc cacaaccaaa aaattctaca acacacactg ttctgaaagt gactcactta 300
tcccaagaaa atgaaattgc tgaaagatct ttcaggactc tacctcatat cagtttgcta 360
gcagaaatct agaagactgt cagcttccaa acattaatgc aatgggtaac atcttctgtc 420
tttataatct actccttgta aagactgtag aagaaagcgc aacaatccat ctctcaagta 480
gtgtatcaca gtagtag 497

<210> 75
<211> 275
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 96
<223> n = A,T,C or G

<400> 75
tgagcttaag gaaaatgaca gaatttttgt ttctgtaaca aatgagcact tgatagacat 60
ggaccatgaa gccagttttt tcggggcctt tttagntggc taactgacct tggaaagaaa 120
aagcaataac ctcaaagtga ctattcagtt ttcaggatga tacactatga agatgtttca 180
aaaaatctga ccaaaacaaa caaacagaaa acagaaaaca aaaaaacctc tatgcaatct 240
gagtagagca gccacaacca aaaaattcta caaca 275

<210> 76
<211> 530
<212> DNA
<213> Homo sapiens

<400> 76

gacagaaggg	gcctctccgc	cccgcgtcca	gctcgcccag	ctcgcccagc	gtccgcgcgcg	60
cctcggccaa	ggcttcaacg	gaccacacca	aaatgccatc	tcaaattggaa	cacgccatgg	120
aaaccatgat	gtttacattt	cacaaattcg	ctggggataa	aggctactta	acaaaggagg	180
acctgagagt	actcatggaa	aaggagttcc	ctggattttt	ggaaaatcaa	aaagaccctc	240
tggctgtgga	caaaataatg	aaggacctgg	accagtgtag	agatggcaaa	gtgggcttcc	300
agagcttctt	ttccctaatt	gcgggcctca	ccattgcatg	taatgactat	tttgtagtac	360
acatgaagca	gaagggaaaag	aagtaggcag	aaatgagcag	ttcgctcctc	cttgataaga	420
gttgccccaa	agggtcgctt	aaggaatctg	ccccacagct	tccccatag	aaggatttca	480
tgagcagatc	aggacactta	gcaaatgtaa	aaataaaatc	taactctcat		530

<210> 77
 <211> 341
 <212> DNA
 <213> Homo sapiens

gcctctccgc	cccgcgtcca	gctcgcccag	ctcgcccagc	gtccgcgcgcg	cctcggccaa	60
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gtttacattt	cacaaattcg	ctggggataa	aggctactta	acaaaggagg	acctgagagt	180
actcatggaa	aaggagttcc	ctggattttt	ggaaaatcaa	aaagaccctc	tggctgtgga	240
caaaataatg	aaggacctgg	accagtgtag	agatggcaaa	gtgggcttcc	agagcttctt	300
ttccctaatt	gcgggcctca	ccattgcatg	taatgactat	t		341

<210> 78
 <211> 350
 <212> DNA
 <213> Homo sapiens

ggcctctccg	ccccgcgtgc	agctcgccca	gctcgcccag	cgtcgcgcgc	gcctcggccaa	60
aggcttcaac	ggaccacacc	aaaatgccat	ctcaaattgga	acacgccatg	gaaaccatga	120
tgtttacatt	tcacaaattc	gctggggata	aaggctactt	aacaaaggag	gacctgagag	180
tactcatgga	aaaggagtgc	cctggatttt	tggaaaatca	aaaagaccct	ctggctgtgg	240
acaaaataat	gaaggacctg	gaccagtgtg	gagatggcaa	agtgggcttc	cagagcttct	300
tttccctaatt	tgccgggcctc	accattgcat	gcaatgacta	ttttgtagta		350

<210> 79
 <211> 171
 <212> DNA
 <213> Homo sapiens

acagaagggg	caaagagatc	tggacagaat	cgccggacag	gtggcagctg	ccaacaagaa	60
gcattagaac	aaaccatgct	gggttaataa	attgcctcat	tcgtaaacaa	aaaaaaaaaa	120
aaaaaaaaaa	agtttttttt	ttttccccc	atTTTTTatt	ttttttcccc	c	171

<210> 80
 <211> 389
 <212> DNA
 <213> Homo sapiens

tggcgctgtg	ttctatggag	gaaaacaaag	caggagaggg	gagagtgact	gctgggtaag	60
gtcttctctc	acctcctttg	catcttttgt	cacatgccag	cttctcctgg	gcttcacaga	120
ccaccaattt	ataattttca	tttaaaactt	ccattttatt	tttttaattt	ttattttatt	180
atTTTtttat	tacgagatgg	ggttttcgctc	ttgttgccca	agattgcacc	actgcactgc	240
agcctggggtg	acagagcgag	actttgtcaa	aaagaaagaa	agaaagaagg	aaaggaagga	300

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aggaaggaag gaaggaagga aaagaaaaga aagggaaaga aaaaagaaaa agaaagaaag 360
aaagaaaaaa aaaaaaaagg ggggcccc 389

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<210> 81
<211> 430
<212> DNA
<213> Homo sapiens

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<400> 81
tgcagataca gtggtggagt ggaagtttgc gttggtagag aatgggggag ttaccgcgtg 60
ggaagaatgc agcaatagat tcctagaaac tggccatgag gataaagtgg ttcacgcatg 120
gtgggggatt cactgattca gtttgcatag taatggagaa gctgtagaac aatgtggaag 180
aagctgaggt tgtggaacac actgaataaa ataaaggcag tgtgactcca aattcagcca 240
tctgaattgt ttaaatttgc tagtggattt tgtctactgt gcagaaatat atatgtctaa 300
tgtgcagaaa tatatatgtg tgtatgtgtg tatatatatg cacacacaca cagataatgc 360
ttccagtga tgtgaacttc ttttcctgt ggcactgatt gacagacttg tgctgatcca 420
ttattacttt 430

```

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<210> 82
<211> 556
<212> DNA
<213> Homo sapiens

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<400> 82
tttttttttt tttttttttt ttttttttaa gatattaaaa ttcaggtttt attatttgtt 60
cagttataat aattttaagt aatatttgc gtattctcag agcaaagatg tatttctgta 120
ccactgtcct gtataaattt gttacccaag atagtgactg gtatgaaagg agagggaaga 180
gggtgacaga tggaaacgat tgctgtagga cagtccatct ggccagatgc ggtgggggag 240
gggagaagaa gtgggagaga gatggtccta cagatgctcc catgggtaaa tgatgggtgc 300
atccctccct gcagtcgggc tgtgcctgaa cttcacagtc ctctaagagg tgtcattcag 360
gccacctcac tcagcctatg cccaacccca ctcaatttcc ctttccttat gggctgcccc 420
cgcaactgac ttccatgggtg attggttctc attaggccct ttgtttctac accagcctta 480
gatcattaag acaaagacgt acttgctacc ctcatagcac ataacaacgc ctggcagatg 540
aaaatcaaac aaaaag 556

```

```

<210> 83
<211> 543
<212> DNA
<213> Homo sapiens

```

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<400> 83
tgcagtggac atgtcgggag ggacggtcac agtccttgaa aagtcctgt atcaaaaggc 60
caactgaagc aatacttcta cgagaccaag tgcaatccca tgggttacac aaaagaaggc 120
tgcaggggca tagacaaaag gcattggaac tcccagtgc gaactacca gtcgtacgtg 180
cgggccctta ccatggatag caaaaagaga attggctggc gattcataag gatagacact 240
tcttgtgtat gtacattgac cattaaaagg ggaagatagt ggatttatgt tgtatagatt 300
agattatatt gagacaaaaa ttatctattt gtatatatac ataacagggt aaattattca 360
gttaagaaaa aaataatttt atgaactgca tgtataaatg aagtttatac agtacagtgg 420
ttctacaatc tatttattgg acatgtccat gaccagaagg gaaacagtca tttgcgcaca 480
acttaaaaag tctgcattac attccttgat aatgttggtg tttgttgccg ttgccaagaa 540
ctg 543

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<210> 84
<211> 242
<212> DNA
<213> Homo sapiens

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<400> 84
 cggcggcaga caaaaagact gcagtggaca tgtcggggcg gacggtcaca gtccttgaaa 60
 aggtccctgt atcaaaaggc caactgaagc aatacttcta cgagaccaag tgcaatccca 120
 tgggttacac aaaagaaggc tgcaggggca tagacaaaag gcattggaac tcccagtgcc 180
 gaactaccca gtcgtacgtg cgggccctta ccatggatag caaaaagaga attggctggc 240
 ga 242

<210> 85
 <211> 350
 <212> DNA
 <213> Homo sapiens

<400> 85
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 ttattaatac tcacatgtaa cctttgcttt ttacacaaaa gtctgcttta gaagaatgcc 120
 tcctcggtct atcatgccc atggggcttt ttgtttctgg accacttccc ctttctccac 180
 cccaccccc acatccaaat tactcttaac atgttcacag ataccacgaa tattttgtaa 240
 acaagatttg gggttactgga acttgatttc attaacatcc cacttcaaaa tggaaggcag 300
 gtggaggaca gggtaagaaa taggagaaa aggacaagag aaggcaaaga 350

<210> 86
 <211> 448
 <212> DNA
 <213> Homo sapiens

<400> 86
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 ctcttttaaac agtttttcctt atcagaggcc ctctgtgct ggtgaccag catctgagtt 120
 aggttccagc atgtaaagag ctgggagggc ggagaattct tagcatacat tcagacgttt 180
 tttctgcaca ataataagtc catctgtcac ttgcattcca ctttttggtta catagaaaaga 240
 gtctgaccct ttaatccaaa aggtcttttt acattgtgaa tgctgtggga aggcaatttc 300
 tctgcacaca agaggctacg ttttggaagt gatgtatgtt atttgatgac tgaaaatgaa 360
 ctgtaaatgc tcctagagta tttcctctg ctgaacaaaa ttaacttca aaaaaatcta 420
 acagtaacac acccctgctt gggaccct 448

<210> 87
 <211> 586
 <212> DNA
 <213> Homo sapiens

<400> 87
 aatttacaga acagtttaag aagtgggtgac attttgcatg atgaatgacc tgacttttag 60
 ccaccaggta ctcttttaaac agtttttcctt atcagaggcc ctctgtgct ggtgaccag 120
 catctgagtt aggttccagc atgtaaagag ctgggagggc ggagaattct tagcatacat 180
 tcagacgttt tttctgcaca ataataagtc catctgtcac ttgcattcca ctttttggtta 240
 catagaaaaga gtctgaccct ttaatccaaa aggtcttttt acattgtgaa tgctgtggga 300
 aggcaatttc tctgcacaca agaggctacg ttttggaagt gatgtatgtt atttgatgac 360
 tgaaaatgaa ctgtaaatgc tcctagagta tttcctctg ctgaacaaaa ttaacttca 420
 aaaaaatcta acagtaacac acccctgctt gggaccctag ctatatgcat tttatgtgac 480
 cttgccatgc ttcagtgaac atactaattc tatgtctagc acatgttgat ttcctatgta 540
 ttctgggtat tctattaaag gaaactttga actatgtcaa aaaaaa 586

<210> 88
 <211> 203
 <212> DNA
 <213> Homo sapiens

<400> 88
aatgaatttta cagaacagtt taagaagtgg tgacattttg catgatgaat gacctgactt 60
ttagccacca ggtactcttt aaacagtttt ccttatcaga ggccctcctg tgctgggtgac 120
ccagcatctg agttagggtt cagcatgtaa agagctggga gggcggagaa ttcttagcat 180
acattcagac gttttttctg cac 203

<210> 89
<211> 548
<212> DNA
<213> Homo sapiens

<400> 89
tgctggaagg cattcgcato tgccggcgag ggcttccgca accggatcgt cttccaggag 60
ttccgccaac gctacgagat cctggcgggc aatgccatcc ccaaaggctt catggacggg 120
aagcaggcct gcattctcat gatcaaagcc ctggaacttg accccaactt atacaggata 180
gggcagagca aaatcttctt ccgaactggc gtccctggccc acctagagga ggagcgagat 240
ttgaagatca ccgatgtcat catggccttc caggcgatgt gtctgggcta cttggccaga 300
aaggctttttg ccaagaggca gcagcagctg accgccatga aggtgattca gaggaactgc 360
gctgcctacc tcaagctgcg gaactggcag tgggtggaggc ttttcaccaa agtgaagcca 420
ctgctgcagg tgacacggca ggaggaggag atgcaagcca aggaggatga actgcagaag 480
accaaggagc ggcagcagaa ggcagagaat gagcttaagg agctggaaca gaagcactcg 540
cagctgac 548

<210> 90
<211> 595
<212> DNA
<213> Homo sapiens

<400> 90
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ttccaggagt tccgccaacg ctacgagatc ctggcgggca atgccatccc caaaggcttc 120
atggacggga agcaggcctg cattctcatg atcaaagccc tggaaactga cccaactta 180
tacaggatag ggcagagcaa aatcttcttc cgaactggcg tcctggccca cctagaggag 240
gagcgagatt tgaagatcac cgatgtcatc atggccttcc aggcgatgtg tctgggctac 300
ttggccagaa aggtcttttg caagaggcag cagcagctga ccgccatgaa ggtgattcag 360
aggaactgcg ctgcctacct caagctgcgg aactggcagt ggtggaggct tttcaccaaa 420
gtgaagccac tgctgcaggt gacacggcag gaggaggaga tgcaggccaa ggaggatgaa 480
ctgcagaaga ccaaggagcg gcagcagaag gcagagaatg agcttaagga gctggaacag 540
aagcactcgc agctgaccga ggagaagaac ctgctacagg aacagctgca ggcag 595

<210> 91
<211> 498
<212> DNA
<213> Homo sapiens

<400> 91
tgacagagca agacttggtt tcaaaaaaga gaaacacagt tggccctcca tatctgagtt 60
tcacagacga aaaatattca gaagaaaaaa aaatcaatgg ctgtatttgt actaaacatg 120
cccaggcttt ttttcttatt gttatccctt aaacaatata acaactattt ttatagcat 180
tacattgtat tagatgttat aactactcta aagaggattt aaagtatatg gaatgatgtg 240
cataggttat atgcaaatac tatactatatt atatcaggga cttgagcatc cttggatttt 300
ggtatgtgtg ggaggctctg aaaccaatgt cctgtggata ctgaaggata actgtactaa 360
tttgagagatt tctctctact atgatcaaga ttttcaaaca ttacattgct gattacatta 420
catcgttaca ttgtgattct ttccaagact tgagataaag tttgggaaga agtaccactt 480
gtttcagttt atgaaata 498

<210> 92

<211> 510
 <212> DNA
 <213> Homo sapiens

<400> 92
 aaacacagtt ggccctccat atctgagttt cacagacgaa aaatattcag aagaaaaaaaa 60
 aatcaatggc tgtatttgta ctaaaccatgc ccaggctttt tttcttattg ttatccccta 120
 aacaatacaa caactatttt tatagcattt acattgtatt agatgttata actactctaa 180
 agaggattta aagtatatgg aatgatgtgc atagggttata tgcaaatact atactattta 240
 tatcagggac ttgagcatcc ttggattttg gtatgtgtgg gaggtcctga aaccaatgtc 300
 ctgtggatac tgaaggataa ctgtactaat ttggagattt ctctctacta tgatcaagat 360
 tttcaaacat tacattgctg attacattac atcggttacct tgtgattctt tccaagactt 420
 gagataaagt ttgggaagaa gttaccactt gtttcagttt atgaaataga aaaaaaaaaa 480
 aggggtaaag catgaaataa aaacctaacc 510

<210> 93
 <211> 299
 <212> DNA
 <213> Homo sapiens

<400> 93
 tggatcccc gggtgcagg aattcggcac gagcagaagt gcctgagacg cggagacatg 60
 gctggtgtta aatggagcta ttcaatagca gtgacgcgct ctctcagcc accaaatgtc 120
 cctgacaccc tccccagccc ccacagataa catcagctga gggttttttc agtatgaacc 180
 tgtcctaaat caattcctca aagtgtgcac aaaactaaag aatataaata aacaaaagaa 240
 aggtgaaaaa aaaaaaaaaa aaaaaaactc gggggggggc ccgggcccc attccccct 299

<210> 94
 <211> 234
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 163, 189, 219, 222, 225, 226, 228, 233
 <223> n = A,T,C or G

<400> 94
 cagaagtgcc tgagacgcgg agacatggct ggtgttaaata ggagctattc aatagcagtg 60
 acgcgctctc ctccagccacc aaatgtccct gacaccctcc ccagccccca cagataacat 120
 cagctgaggt ttttttcagt atgaacctgt cctaaatcaa ttntctcaaag tgtgcacaaa 180
 actaaagant ataaataaac aaaagaaagg tgaaaaaana anaannanaa aana 234

<210> 95
 <211> 534
 <212> DNA
 <213> Homo sapiens

<400> 95
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 tcttctgggg cctgcgctct tactatgaga ccagcaagat gaaagtcctc aagtttgcct 120
 gcaaggtaca aaagaaggat cccaaggaat gggcagctca gtaccgagag gcgatggaag 180
 cagatttgag ggctgcagct gaggtgcag ctgaagccaa ggctagggcc gagattagag 240
 ctggaatggg cattgggctc ggctcggaga atgctgccgg gccctgcaac tgggacgaag 300
 ctgatatcgg accctgggcc aaagcccga tccaggcggg agcagaagct aaagccaaag 360
 cccaagagag tggcagtgcc agcactgggt ccagtaccag taccaataac agtgccagtg 420
 ccagtgccag caccagtggg ggcttcagtg ctggtgccag cctgaccgcc actctcacat 480

ttgggctctt cgctggcctt ggtggagctg gtgccagcac cagtggcagc tctg 534

<210> 96

<211> 351

<212> DNA

<213> Homo sapiens

<400> 96

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tcaattgatt gatagtggct gcctagagtg ctgtgttgag taggtttctg aggatgcacc 120
ctggcttgaa gagaaagact ggcaggatta acaatatcta aaatctcact tgtaggagaa 180
accacaggca ccagagctgc cactgggtgt ggcaccagct ccaccaaggc cagcgaagag 240
cccaaagtgt agagtggcgg tcaggctggc accagcactg aagccaccac tgggtgctggc 300
actggcactg gcactgttat tggtagctgt actggcacca gtgctggcac t 351
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<210> 97

<211> 610

<212> DNA

<213> Homo sapiens

<400> 97

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gctgaacttc tgcaaaagat agaagtaccc ctttattcac tgttggaaca aactcatctc 120
aaagtagaag atgtgagtg cagttgagatt gttggaggca ctacacgaat tccagctgtg 180
aaggaaagaa ttgccaaatt ctttggaata gatattagca caacactcaa tgcagatgaa 240
gcagtagcca gaggatgtgc attacagtgt gcaatacttt ccccggcatt taaagttaga 300
gaattttccg tcacagatgc agttcctttt ccaatatctc tgatctggaa ccatgattca 360
gaagatactg aaggtgttca tgaagtcttt agtcgaaacc atgctgctcc tttctccaaa 420
gttctcacct ttctgagaag ggggcctttt gagctagaag ctttctattc tgatccccaa 480
ggagttccat atccagaagc aaaaataggc cgctttgtag ttcagaatgt ttctgcacag 540
aaagatggag aaaaatctag agtaaaagtc aaagtgcgag tcaacacca tggcattttc 600
accatctcta 610
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<210> 98

<211> 551

<212> DNA

<213> Homo sapiens

<400> 98

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tttttttttt tttttttttt tagcattatc atcttaccct ctgtctcaat atacatgtta 60
agaaggctct tccctaactg ccagaccaag ttggcttcaa taggcagctc aacattcacc 120
acctttatct tgggcttttt agcttctgga ggctggtcaa cttttttttc atttgctttg 180
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tcagaagaca ttctattctc ctcaagtggg actttctcca ccatagatgc cgtagagatg 420
gtgaaaatgc catgggtgtt gactcgact ttgactttta ctctagattt ttctccatct 480
ttctgtgcag aaacattctg aactacaaag cggcctattt ttgcttctgg atatggaact 540
ccttggggat c 551
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<210> 99

<211> 550

<212> DNA

<213> Homo sapiens

<400> 99

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tgtggggctc tatttttgct ttggctttct ggtgagagag tgaggaagca ttctttcctt 60
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cactaagttt	gtctttcttg	tcttctggat	agattgattt	taagagacta	aggggaattta	120
caaactaaag	attttagtca	tctggtggaa	aaggagactt	taagattggt	tagggctggg	180
cggggtgact	cacatctgta	atcccagcac	tttgggaggc	caaggcaggc	agaacacttg	240
aaggagttcg	agaccagcgt	ggccaacgtg	gtgaaaccct	gtctctacta	aaaatacaaa	300
aattgtttag	ctctgttttt	cataatagaa	atagaaaagg	taaaattgct	tttcttctga	360
aaagaacaag	tattgttcat	ccaagaaggg	tttttgtgac	tgaatcagca	gtgcctgccc	420
tagtcatagc	tgtgcttcaa	aaacctcagc	atgattagt	ttggagcaaa	acaaggaagc	480
aaagcaaata	ctgtttttga	aattctatct	gttgcttgaa	ctattttgta	ataattaaac	540
tttgatgttg						550

<210> 100
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 100						
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tttggctttc	tggtagagaga	gtgaggaagc	attctttcct	tcactaagtt	tgtctttctt	120
gtcttctgga	tagattgatt	ttaagagact	aagggaattt	acaaactaaa	gatttttagtc	180
atctggtgga	aaaggagact	ttaagattgt	ttagggctgg	gcggggtgac	tcacatctgt	240
aatcccagca	ctttggggagg	ccaaggcagg	cagaacactt	gaaggagttc	aagaccagcg	300

<210> 101
 <211> 583
 <212> DNA
 <213> Homo sapiens

<400> 101						
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gcgctgctct	gtacttgatt	tttttagtct	tgaaattagc	tttccaggct	ggggcaggga	120
ggggagcaca	ggtggatcag	tactgcccc	aagcgtgga	gctttggtgg	tggatcaaatt	180
actgctgccg	cctgtctgca	caaacatatt	tctctcttcc	agcccttcag	aagtgtattg	240
gaatatgtcg	ataacaataa	tgatggtggt	gaagatgatg	atgatgtggg	taattctggc	300
taccttattg	ggtccaagct	ccccacaatt	cgttgccaca	agcactctac	atacattctc	360
tttagtctctg	atcaaaccac	ctttcagagt	aggatttagt	gtcctatttt	aaagatgaag	420
gagctcgggc	tcagagagag	atcgtttaga	cacacacaca	actttggaat	gaaacattta	480
cagccgggcg	cggtggcgcg	tgctgttagt	cccagctact	tgggaggctg	aggctggagg	540
atcgcttgag	tccaggagtt	ctgggctgta	gtgcgctatg	cgc		583

<210> 102
 <211> 517
 <212> DNA
 <213> Homo sapiens

<400> 102						
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tgatgggcgt	gagcggctcg	gggaaatcca	ccgtgggcgc	cctgctggca	tctgagctgg	120
gatggaaatt	ctatgatgct	gatgattatc	accggagga	aaatcgaagg	aagatgggaa	180
aaggcatacc	gctcaatgac	caggaccgga	ttccatggct	ctgtaacttg	catgacattt	240
tactaagaga	tgtagcctcg	ggacagcgtg	tggttctagc	ctgttcagcc	ctgaagaaaa	300
cgtacagaga	catattaaca	caaggaaaag	atggtgtagc	tctgaagtgt	gaggagtcgg	360
gaaaggaagc	aaagcaggct	gagatgcagc	tcctggtggg	ccatctgagc	gggtcgtttg	420
aggtcatctc	tggacgctta	ctcaaaagag	agggacattt	tatgccccct	gaattattgc	480
agtcccagtt	tgagactctg	gagccccag	cagctcc			517

<210> 103

<211> 590
 <212> DNA
 <213> Homo sapiens

<400> 103
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 ctgatcattt gatttggtta tagatgaatt taaacttcaa ttttaagcttg acttttataa 180
 ctccccctct gcttccctgat gaaccagcat aattcctaaa attacaccta aacaagtctg 240
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 ggaacgaggt ttgggatggc acaatgattt atgcttagtt ctgtttggac cactgataca 360
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 ctgggactgc aataattcag ggggcataaa atgtccctct cttttgagta agcgtccaga 540
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<210> 104
 <211> 116
 <212> DNA
 <213> Homo sapiens

<400> 104
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 ttccactgct ggggattggg gtgtgggagc acgcttacta ccttcagtat aaaaat 116

<210> 105
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 <212> DNA
 <213> Homo sapiens

<400> 105
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 agcaacatca agaaatgcta caatagagca gcttactgta ttctgcagta ctctatacca 180
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<210> 106
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 <212> DNA
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<400> 106
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 cttatagggg tttcagtatg taccaggctt gatgcacatc ttagaagaca ggacattatc 180
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 aataaggcct gttgttctct gcagtggatc ctgatttggg caagcagcaa tttgtaagt 420
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<210> 107
 <211> 526
 <212> DNA
 <213> Homo sapiens

<400> 107
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 ggagcgagat ggaggtggac gcaccgggtg ttgatggtcg agatgggtct cgggagcggc 180
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 ggcttcccaa acactcctac tggttggacc tctggctttt catccttttc gatgtggtgg 300
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 gttcttgagt gaattctgaa aatggctaca aacttcttga ataaagaaga caggactctc 420
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<210> 108
 <211> 344
 <212> DNA
 <213> Homo sapiens

<400> 108
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 aacaccaaag tccgggaact taagcatttt cggtttctag ggttggttac aagctgcagg 120
 agcgagatgg aggtggacgc accgggtggt gatggtcgag atgggtctcc ggagcggcga 180
 ggcttttagcg agggagggag gcagaacttc gatgtgagga ctcagttctg ggcaaagtgg 240
 cttcccaaac actcctactg gttggacctc tggcttttca tccttttcga tgggggggag 300
 cttctctctg tgtattttct gccatgacct gttcagtgac accc 344

<210> 109
 <211> 332
 <212> DNA
 <213> Homo sapiens

<400> 109
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 ggcttttagcg agggagggag gcagaacttc gatgtgagga ctcagttctg ggcaaagtgg 240
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 attctctttg tgtatttttt gccatgacct gt 332

<210> 110
 <211> 545
 <212> DNA
 <213> Homo sapiens

<400> 110
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 cttaagcatt ttcggtttct aggggttgta cgaagctgca ggagcgagat ggaggtggac 120
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 aatggctaca aacttcttga ataaagaaga caggactctc aatagaagaa tttcacatct 420
 ccaagggacc cttcctttca ttttacactt tgttactaat ttgcagaact ctattaattg 480
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aaaac

545

<210> 111
<211> 329
<212> DNA
<213> Homo sapiens

<400> 111
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gtctccggga gcggcgaggc ttttagcgagg gagggaggca gaacttcgat gtgaggcctc 180
agtctggggc aaatgggctt cccaaacact cctactgggt ggacctctgg cttttcatcc 240
ttttcgatga ggagggtgtt ctctttgtgt attttttgcc atgacttggt cgctgatata 300
taaatttaca agttggatct tgagtgaac 329

<210> 112
<211> 284
<212> DNA
<213> Homo sapiens

<400> 112
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gaatccgact gtttaattaa aacaaagcat cgcgaaggcc cgcggcgggg gttgacgcga 120
tgtgattttct gccagtgct ctgaatgcc aattaaaaat aaactttaaa atttaaaagg 180
gggcggtttt tctctgattc ccaccccggt aaaaaccctt ttgggggggg ggcccccccc 240
ccctcatggg gcgggggaaa aaggcctttt ttgggaaatt tggg 284

<210> 113
<211> 522
<212> DNA
<213> Homo sapiens

<400> 113
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cggagtcccg agaggcactc agcttagcca ggtggaaatc ctacagcgcg tcatcgacta 300
cattctcgac ctgcaggtag tcttgccga gccagcccct ggacccccctg atggccccca 360
ccttcccac cagacagccg agcccgtcc ggaacttgct atctccaacg aaaaaggag 420
cttttgccac tgactcggc cgtgtcctga cacctccaga acgcaggtgc tggcgcccgt 480
tctgcctggg accccgggaa cctctcctgc cggaagccgg ac 522

<210> 114
<211> 510
<212> DNA
<213> Homo sapiens

<400> 114
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ctcactcccc agcatgaagg cgctgagccc ggtgcgcggc tgctacgagg cgggtgtgctg 120
cctgtcggaa cgcagtctgg ccatcgccc gggccgaggg aaggggcccg cagctgagga 180
gccgctgagc ttgctggacg acatgaacca ctgctactcc cgctgcggg aactggtacc 240
cggagtcccg agaggcactc agcttagcca ggtggaaatc ctacagcgcg tcatcgacta 300
cattctcgac ctgcaggtag tcttgccga gccagcccct ggacccccctg atggccccca 360
ccttcccac cagacagccg agcccgtcc ggaacttgct atctccaacg aaaaaggag 420
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ctgcctggga ccccggaac ctctcctgcc 510

<210> 115
<211> 385
<212> DNA
<213> Homo sapiens

<400> 115
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aaaggagttg catatttcca aaaataatat tcttatttta atcacacaga agaacgtgga 360
gcacaggaag gaaatggctg gctgg 385

<210> 116
<211> 645
<212> DNA
<213> Homo sapiens

<400> 116
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gaatcacgtc atctagctgt ggacactgag caaaaaggag cagcatgcta ttaagatgg 240
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gacccctacc gcccccgctc cttcagctct gtacagtaac tttagcttta catagagctg 360
agataaaaat aaagctttct taaaaattac atttttttcc agtgaattac ttttgcagta 420
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taatattctt attttaatca cacagaagaa cgtggagcac aggaaggaaa tggctggctg 540
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tgtataaact gacttaaacg catgcaaaga agtggaaaac atatg 645

<210> 117
<211> 500
<212> DNA
<213> Homo sapiens

<400> 117
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agactgggca agactcttac gcccacact gcaatttggg cttgttgccg tatccattta 180
tgtgggcctt tctcgagttt ctgattataa acaccactgg agcgatgtgt tgactggact 240
cattcagga gctctgggtt caatattagt tgctgtatat gtatcggatt tcttcaaaga 300
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aacaactggg aatcactatc cgagcaatca ccagccttga aaggcagcag ggtgcccgag 420
tgaggctggc ctgttttcta aaggaagatg attgccacaa ggcaagaaga tgcattcttc 480
ttcctgggtg acaagccttt 500

<210> 118
<211> 592
<212> DNA
<213> Homo sapiens

<400> 118
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cacactgcaa	tttgggtcttg	ttgccgtatc	catttatgtg	ggcctttctc	gagtttctga	180
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caatcaccag	ccttgaaagg	cagcaggggtg	cccaggtgag	gctggcctgt	tttctaaagg	420
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acttctgctg	ctgctatgcc	tcttggtatgc	acactttgtg	tgtacatagt	tacctttaac	540
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<210> 119
 <211> 197
 <212> DNA
 <213> Homo sapiens

<400> 119						
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ggtccccccc	ccccttttaa	aaaaccccc	taaaaaatgc	ccccaaaaaa	aaaaattttt	120
ttttttgggg	ggggggaaaa	aaagggggaa	aaaaccccc	ccccccgggg	ggggaaaaaa	180
acccccccaa	aaccccc					197

<210> 120
 <211> 493
 <212> DNA
 <213> Homo sapiens

<400> 120						
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cagaatgtct	tgagaccctt	ctgttttcaa	ggagagctct	atgcagcgtg	tgtccacacc	180
gaggtctgca	gcagggcaga	gtctccctga	gcctgacttt	gccagacctt	cttgggtttg	240
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ttggggctat	gttgatata	atgttaacaa	gaacatatct	tctctgcata	tatgtgtgaa	420
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ctcccagtgt	cct					493

<210> 121
 <211> 265
 <212> DNA
 <213> Homo sapiens

<400> 121						
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tttatttttt	aataacattc	tattaacatt	attttgcttg	ccgctggcat	gcctgaggaa	180
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tttttttaaa	aaaaaaaaaa	aaaaa				265

<210> 122
 <211> 186
 <212> DNA
 <213> Homo sapiens

<400> 122						
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gaaaaagtgt	tattttttta	taacattcta	ttaacattat	tttgcttgcc	gctggcatgc	120

ctgaggaatg tatttggctt tgattacaca ctaagttttt gtaataaatt tgactcatta 180
 aaaacc 186

<210> 123
 <211> 475
 <212> DNA
 <213> Homo sapiens

<400> 123
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<210> 124
 <211> 122
 <212> DNA
 <213> Homo sapiens

<400> 124
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 tc 122

<210> 125
 <211> 147
 <212> DNA
 <213> Homo sapiens

<400> 125
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 ccctttgatg aaacgttacc ctttgac 147

<210> 126
 <211> 607
 <212> DNA
 <213> Homo sapiens

<400> 126
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<210> 127

<211> 463
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 <213> Homo sapiens

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<210> 128
 <211> 592
 <212> DNA
 <213> Homo sapiens

<400> 128
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<210> 129
 <211> 251
 <212> DNA
 <213> Homo sapiens

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<210> 130
 <211> 229
 <212> DNA
 <213> Homo sapiens

<400> 130
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 ccagctgtgc acaccagcc acacctgctg cagcgcgct tagtgtgcgg ctccgggcct 180
 gagcattcgc aaagctcgct tctccagga gctcctctt ggctttgga 229

<210> 131
 <211> 316
 <212> DNA

<213> Homo sapiens

<400> 131

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<210> 132

<211> 270

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 37

<223> n = A,T,C or G

<400> 132

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<210> 133

<211> 341

<212> DNA

<213> Homo sapiens

<400> 133

```
ttacatacgt ttttattact cggggggggac ctgtacgtca ccaatgccc a gcttcacggg 60
ggcatgtagt gtgactcacg gctgaacaca aaatcactgt gaagcctgtg ctacagaagg 120
atgtccagtc gctgaggcca ggagagaggt gggcaggcct ggggtctggc gtggagacgg 180
tctccagggg agccgttggg caggaagccg tacaccaggc agtagaagcc gttctgagca 240
cagtagccag caaagtccac aatgttttggg tgacgaaacc tggacagctg ctccacctcg 300
gtcaggaagc tctgcttcac tgcagtcac tccagggtcag c                                     341
```

<210> 134

<211> 466

<212> DNA

<213> Homo sapiens

<400> 134

```
attatgtgat taatgatttg acagccgttc caatctccac gtctccagaa gagattccac 60
atgggagttt ctgagactga ttcttgacct ctcaatgaaa gtgttgaaac aggatgggaa 120
atatattaca caggggaact gtgtcaatct gacagaagca ctgtcgctct atgaagaaca 180
gctggggcgc ctgtattgtc ctgtggaatt ttcaaaggag atcgtctgtg tcccttcata 240
cttggaattg tgggtatttt acactgtttg gaagaaagct aaaccctgaa gatcagtagc 300
ccctaatac atgtgctgca aatagccttc ctgacctcca tatgctgtac atgacatcaa 360
aatgagtcag gcaattgatt gtgaattcct taaagttttc ctttttttaa taattatttt 420
taattttaaaa aagcaaattg aaaatgtata ttttgatgag cttagg                                     466
```

<210> 135

<211> 70

```

<212> DNA
<213> Homo sapiens

<400> 135
agtttttcctt tttttaataa ttatttttta tttaaaaaag caaatggaaa atgtatatatt 60
tgatgagctt                                     70

<210> 136
<211> 442
<212> DNA
<213> Homo sapiens

<400> 136
tttttttttt ttttttttcgg ctcagtataa agcttccttt tcttagggac catgcaaaga 60
ttctttgatt ctagaagtgc catttcatta tttctgtgac tcctgtctga atcatctgcc 120
aggtaactat cttgattttg tcttagcaat cgacttagca gaccattctt ggagaaagaa 180
aaatcctgag gtgaaacagg ctccgattta aagtcttcgg acaactggtaa ggcaggtgcg 240
cttctctgca cagcaggagc catacccaag aatggggcac tcttagcatc atgggtcaag 300
tgcacatttg tgtaggaat ttgtaagtca tcacaaggct cagattttat tttcaccatc 360
agtatttggt cacttaaagc tctctctgag tgttctcgag tactttcatc tcttaaggga 420
gttttctctt ttttttctact ct                                     442

<210> 137
<211> 275
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 244
<223> n = A,T,C or G

<400> 137
agaaaaatac aaaaaatctg cattaaaaat attaatcctg catgctggac atgtatggta 60
ataattttcta ttttgtacca ttttctgttt aacttttagca tgttggtgat catggatcat 120
actccctgtt ttcttggttg agaagggatc gccagtttgg aaactccggc ggctgctgctgc 180
ggggttttcag tcccactgta ggcttgtaaa taccgccccg ccaaaccgca tagagacgtg 240
gcancactga gggctttgtt ggggttatata cgtat                                     275

<210> 138
<211> 353
<212> DNA
<213> Homo sapiens

<400> 138
taagctcgga attcgggtcg aggaaaaata caaaaaatct gcattaaaaa tattaatcct 60
gcatgctgga catgtatggt aataattttct attttgtacc attttcttgt ttaacttttag 120
catgttggtg atcatggatc atactccctt tgtttctttg ggtgagaagg gatcgagtt 180
tggaaactcc ggcggctgcg tgcgggggtt cagtcaccagc tgtaggcttg taaataccgc 240
ccccgcaaaa ccgcatagag aacgtggcag caagctgagg gtctttgttt gggtttatta 300
ttacgggtatt tttgtttgta agttaaaaaa aaaaaaaaaa gggggggccc cca                                     353

<210> 139
<211> 559
<212> DNA
<213> Homo sapiens

```

```

<400> 139
gaatttggcc ctcgaggcca agaattcggc actagggcgc agaaggacca gcagaaagat 60
gccgaggcgg aagggtgag cggcacgacc ctgctgccga agctgattcc ctccggtgca 120
ggccgggagt ggctggagcg gcgcgcgcgc accatccggc cctggagcac cttcgtggac 180
cagcagcgct tctcacggcc ccgcaacctg ggagagctgt gccagcgcc cgtacgcaac 240
gtggagtact accagagcaa ctatgtgttc gtgttcctgg gcctcaccct gtactgtgtg 300
gtgacgtccc ctatgttgct ggtggctctg gctgtctttt tcggcgccctg ttacattctc 360
tatctgcgca ccttggagtc caagcttgtg ctctttggcc gagaggtgag cccagcgcat 420
cagtatgctc tggctggagg catctccttc cccttcttct ggctggctgg tgcgggctcg 480
gccgtcttct ggggtgctgg agccacctg gtggtcatcg gctcccacgc tgccttccac 540
cagattgagg ctgtggacg                                     559

```

```

<210> 140
<211> 711
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 444
<223> n = A,T,C or G

```

```

<400> 140
tttttttttt tttttttttg acaccataa cagctttatt ttcaaaggcg ggatccctcc 60
ccgggcttgt gatgggacgg cgctgtgggc ccgagcagca aagccgtgca ggacaggcat 120
gggcaggggt ggggcagctg gcccgggagg ccggcaggtc ccaaaagaca cctcacacgg 180
gttccatctg cagctcctcc ccgtccacag cctcaatctg gtggaaggca gcgtgggagc 240
cgatgaccac caggggtggt cccagcacc agaagacggc cgagcccgc caagccagcc 300
agaagaaggg gaaggagatg cctccagcca gagcatactg atgcgctggg ctacacctc 360
ggccaaagag cacaagcttg gactccaagg tgcgcagata gagaatgtaa caggcgccga 420
aaaagaccag ccagagccac cagnacata ggggacgtca ccacacagta caggatgagg 480
cccaggaaca cgaacacata gttgctctgg tagtactcca cgttgcgtac gaggcgctgg 540
cacagctctc ccaggttgcg gggccgtgag aagcgctgct ggtccacgaa ggtgctccag 600
gggcgggatg gtcgcgcggc gccgtccag ccactcccg cctgcaccg gaggaatcag 660
cttcggcagc aaggtcgtgc cggtcagccc ttccgcctcg gcattctttc t 711

```

```

<210> 141
<211> 468
<212> DNA
<213> Homo sapiens

```

```

<400> 141
actgcagtc cttcttctct ggctctttg gaggtcatc caaaatagag gaagcatgcg 60
aaatctacgc cagagcagca aacatgttca aaatggccaa aaactggagt gctgctggaa 120
acgcgttctg ccaggctgca cagctgcacc tgcagctcca gagcaagcac gacgcagcca 180
cctgctttgt ggacgctggc aacgcattca agaaagccga cccccaagag gccattaact 240
gtttgatgcg agcaatcgag atctacacag acatgggccc attcacgatt gcggccaagc 300
accacatctc cattgctgag atctatgaga cagagttggg ggacatcgag aaggccattg 360
cccactacga gcagtctgca gactactaca aaggcgagga gtccaacagc tcagccaaca 420
agtgtctgct gaagggtggc ggttacgctg cgctgctgga gcagtatc 468

```

```

<210> 142
<211> 203
<212> DNA
<213> Homo sapiens

```

```

<400> 142

```

```

cgcaaagtga agaactcgca gtctttcttc tctggcctct ttggaggctc atccaaaata 60
gaggaagcat gcgaaatcta cgccagagca gcaaacatgt tcaaatggc caaaaactgg 120
agtgtgtgtg gaaacgcgtt ctgccaggct gcacagctgc acctgcagct ccagagcaag 180
cacgacgcag ccacctgctt tgt                                     203

```

```

<210> 143
<211> 212
<212> DNA
<213> Homo sapiens

```

```

<400> 143
tctgctggga acagaacatg atcggcattg cggccacggg catcgctgag cattacctgg 60
ctgaaacgga gcagcgggag aagttcgggc taaagaagcg ggagggggcc tgggagctca 120
tgaagaaggg gtacaccag caactggcct tcatacaacc cagctctgcc tttgctggcct 180
tcgtgaaacg ggcaccacag acctggctga cc                                     212

```

```

<210> 144
<211> 226
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 109, 128, 153, 161, 167, 174, 175, 178, 196, 202, 206, 211,
213
<223> n = A,T,C or G

```

```

<400> 144
gaagcacctc attgtgaccc cctcgggctg cggggaacag aacatgatcg gcatgacgcc 60
cacgggtcac gctgtgcatt acctggatga aacggagcag tgggagaant tcggcctaga 120
gaagcggcnag ggggccttgg agctcatcaa ganggggtac nccagnagc tgggnnttnag 180
acaaccacgc tctgcntttg cnggcnttcg nanaaagggc ccccac                                     226

```

```

<210> 145
<211> 97
<212> DNA
<213> Homo sapiens

```

```

<400> 145
ctgggctgcg gctgatgcgc atccgttttc ctgccctggg catgtgtctc tgaaaccgta 60
tggcgggctg tgggcaacgg gcaactgctaa gggaggc                                     97

```

```

<210> 146
<211> 120
<212> DNA
<213> Homo sapiens

```

```

<400> 146
ggcagcagct catctgtttg cggatcagaa cccgagctgt gcttgtggct gcggtctgta 60
actggctgcg cacagggagc tgtcaccatg cctcactcgt acccagccct ttctgtgtgag 120

```

```

<210> 147
<211> 273
<212> DNA
<213> Homo sapiens

```


<400> 147
ggccgcgccctt tttttttttt ttttttttcc cccctttttt ttggtggggg ggttttttcca 60
aggggttgaa tgggggtttt ttttcccccc ttttacccca gaaaaagggg gagggaaaaa 120
ggaacccccg gggaaaattt tccttttttt ggaaaatttg ggggaccgga aaaagggggg 180
gggaaccccc cccctttttt ttttctttta aaaaattttt ttgccccaa aaaaaggggg 240
gcccccttcc ccccccttct tgggcccccg ggg 273

<210> 148
<211> 90
<212> DNA
<213> Homo sapiens

<400> 148
cacttcatgc aaggcacatg tgctgtcctg caggtctgca gggaaccgac ccagagagcc 60
cagcggcagg ccctggaaca cccgcctctg 90

<210> 149
<211> 463
<212> DNA
<213> Homo sapiens

<400> 149
gacttgctcg ggaatccggt gcttcggatc tactacacct cgaggcctgc tctgttcacc 60
ttgtgtgctg ggaatgagct cttctactgc ctctctacc tgttccattt ctctgagggg 120
cctttagttg gctctgtggg actgttccgg atgggcctct gggtcactgc ccccatcgcc 180
ttgtgaagt cgtcatcag cgtcatccac ctgatcacgg ccgcccgcaa catggtgcc 240
ctggacgcag cagaccgcgc caagaagaag tgacgtgga gccccgggtc ctggctgcc 300
acctgccctg ggagtcttgc tgtgccacac agctccccac cccctgctag gaggtcccag 360
tctcacgcct tcctcatgtg ttgttctacc tgctgggatg ggggtcagcc tctctttggt 420
gacgtcacgt tctctgggat cctgaggacc cgggcctcaa atc 463

<210> 150
<211> 693
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 285, 455, 597, 606, 636, 667, 686
<223> n = A,T,C or G

<400> 150
ggcacgagga gagagagagt cacaagatga tcgacttggt cgggaatccg gtgcttcgga 60
tctactacac ctcgaggcct gctctgttca ccttggtgtg tgggaatgag ctcttctact 120
gcctcctcta cctgttccat ttctctgagg gacctttagt tggctctgtg ggactgttcc 180
ggatgggcct ctgggtcact gcccccatcg ccttgctgaa gtcgctcatc agcgtcatcc 240
acctgatcac ggccgcccgc aacatggctg ccttgacgc agcanaccgc gccagaaga 300
agtacgctg gagccccggg tcctggctgc cactgcccct gggagtcttg ctgtgccaca 360
cagctcccca cccctgcta ggaggtccca gtctcacgcc ttctcatgt gttgttctac 420
ctgctgggat ggggggtcagc ctctctttgg tgacntcag ttcttctggg atcctgagga 480
ccgggcctca aatcagggag gatacccggg agggccctt catccaagcg gtgcttctgg 540
ggtgccggga ccgggcagtg tcacaccctg cctgctagtc ctggggtcca gatctangga 600
ccttantgaa ggagtgggtg gaggcagttc tgaagnggat aactcgccca caacaagttg 660
ggacatncag aggaaactca actctnacgt ctt 693

<210> 151
<211> 300

```

<212> DNA
<213> Homo sapiens

<400> 151
gagagagaga gtcacaagat gatcgacttg tccgggaatc cgggtgcttcg gatctactac 60
acctcgagge ctgctctgtt caccttgtgt gctgggaatg agctcttcta ctgcctcctc 120
tacctgttcc atttctctga gggaccttta gttggctctg tgggactgtt ccggatgggc 180
ctctgggtca ctgcccccat cgccttgcgtg aagtcgctca tcagcgtcat ccacctgac 240
acggccgccc gcaacatggc tgccctggac gcagcagacc gcgccaagaa gaagtgcgc 300

<210> 152
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 37, 41
<223> n = A,T,C or G

<400> 152
gacttggtccg ggaatccggt gcttcggatc tactacncct ngaggcctgc tctgttcacc 60
ttgtgtgctg ggaatgagct cttctactgc ctccctctacc tgttccattt ctctgagggg 120
cctttagttg gctctgtggg actgttccgg atgggcctct gggtcactgc ccccatcgcc 180
ttgctgaagt cgtcatcag cgtcatccac ctgatcacgg ccgccgcaa catggtgcc 240
ctggacgcag cagaccgcgc caagaagaag tgacgctgga gccccgggtc ctggctgccc 300

<210> 153
<211> 239
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 168, 190, 203, 229
<223> n = A,T,C or G

<400> 153
gttgccctgc ctctggctcc agaacagaaa gggagcctca cgctggctca cacaaaacag 60
ctgacactga ctaaggaact gcagcatttg cacaggggag gggggtgcct ccttcctaga 120
ggccctgggg gccaggtga ttggggggca gattgacata ggccccantc atcagatgtc 180
tgaaattcan cacgggggta acntgggggg ttagggacta tttttaaant aggggtggc 239

<210> 154
<211> 113
<212> DNA
<213> Homo sapiens

<400> 154
gacacatttg ttacttcgtg agcaagcccc gaggtctgga gccccctgcc gtgttcacag 60
gtgacacctt gtttgtggct ggctgcggga agttctatga agggactgcg gat 113

<210> 155
<211> 294
<212> DNA

```

<213> Homo sapiens

<400> 155

```
tttttttttt tttttttttt ttttggcggg aataaatact tgttaaactt ctcttataaa 60
tatgcattaa aacgtccgat aacacaagcc aagggctgta aaattaaggt taaatcaaga 120
ctgaatttcc cgcacggacc agcaggaaaag ccagttacct aaaagagcct aatccccaaa 180
tccgctgaag gtgcagggcg gcctcagtcg cggggcatct tgaactggtc cttctccctg 240
cgcacggccc gcatggtggt caccgggtcc gtctcacctg cgtgctgctg cacc 294
```

<210> 156

<211> 419

<212> DNA

<213> Homo sapiens

<400> 156

```
tagccatggc aggacagctc ctggaccagg tctcataatg catgtggcac ttaggtccaa 60
gctctccaga ggggtgaaagc tggagtctgt caatgtccta ctgagacagc acagccaacc 120
tagctagcaa catttgtttt agtctgaaca atatatactt atagaattca gtcaaagata 180
cacaatctga aacagcttca tggggtggac tctaacagta gttgcaatgt tttagaatga 240
gacttacttc tctgctatct agatctgaac tccttggctt ctttacttag ttcaagcccc 300
agcctaggaa agccagttac ataaaagttg gctcaggagt cttagagctt tacctaaata 360
gagcccagaa aacggaggat gggggtgggg cgccttcctg gaggtgacac ttgatgggg 419
```

<210> 157

<211> 357

<212> DNA

<213> Homo sapiens

<400> 157

```
cgtattgctg tcaagccgtg agctagccat ggcaggacag ctcttgacc aggtctcata 60
atgcatgtgg cacttaggtc caagctctcc agaggggtgaa agctggagtc tgtcaatgtc 120
ctactgagac agcacagcca acctagctag caacatttgt tttagtctga acaatatata 180
cttatagaat tcagtcaaag atacacaatc tgaacacagc tcatggggtg gactctaaca 240
gtagttgcaa tgtttttagaa tgagacttac ttctctgcta tctagatctg aactccttgg 300
cttctttact tagttcaagc cccagcctag gaaagccagt tacataaaaag ttggctc 357
```

<210> 158

<211> 408

<212> DNA

<213> Homo sapiens

<400> 158

```
actttgtatc actgcagcgc ttcacacctt catcctgaag atatctggaa cattcgtagt 60
atctgcagca ccaccaatat ccaatgcaag aacggcaaga tgaactgcc tgaaggtgta 120
gtgaaggtca cagattgcag ggacacagga agttccaggg cacccaactg cagatatcgg 180
gccatagcga gcactagacg tgttgtcatt gcctgtgagg gtaaccacac ggtgcctgtg 240
cactttgacg gttagatgcc accatgtagg gattatcgcg agtgggttgac cttacactta 300
ctccttaaat agcagtgagt aatgcatttg agctgcccc ggcctctgtc cctcagctca 360
tttcttactc tttttctcta tataactcat tctattaaat acattgca 408
```

<210> 159

<211> 550

<212> DNA

<213> Homo sapiens

<400> 159

```
acaaggacgc caaccccacc tagatgcaaa gcaggattca aaagaacatc tttgcgtttt 60
```

ctaccggctc	cccatcatcg	tactagggag	gaagaagcgg	gtgagaaaca	aaactttctt	120
ccattgtcct	gcccttttct	gcggacttgt	tctgaggccg	aggcacctct	aagatactga	180
tggctctgca	gaggacccat	tcattgcttc	tgcttttctg	gctgaccctg	ctggggctgg	240
ggctgggtcca	gccctcctat	ggccaggatg	gcatgtacca	gcgattcctg	cggcaacacg	300
tgcaccctga	ggagacaggt	ggcagtgatc	gctactgcaa	cttgatgatg	caaagacgga	360
agatgacttt	gtatcactgc	aagcgcttca	acaccttcat	ccatgaagat	atctggaaca	420
ttcgtagtat	ctgcagcacc	accaatatcc	aatgcaagaa	cggcaagatg	aactgccatg	480
aggggtgtagt	gaaggtcaca	gattgcaggg	acacaggaag	ttccagggca	cccaactgca	540
gatatcgggc						550

<210> 160
 <211> 554
 <212> DNA
 <213> Homo sapiens

<400> 160						
ccaacccac	ctagatgcaa	agcaggatcc	aaaagaacat	ctttgcgttt	tctaccggct	60
ccccatcatc	gtactaggga	ggaagaagcg	ggtgagaaac	aaaacttctt	tccattgtcc	120
tgcccgtttc	tgccgacttg	ttctgaggcc	gaggcacctc	taagatactg	atggctctgc	180
agaggaccca	ttcattgctt	ctgcttttgc	tgctgaccct	gctggggctg	gggctgggtc	240
agccctccta	tggccaggat	ggcatgtacc	agcgattcct	gcggcaacac	gtgcaccctg	300
aggagacagg	tggcagtgat	cgctactgca	acttgatgat	gcaaagacgg	aagatgactt	360
tgtatcactg	caagcgcttc	aacaccttca	tccatgaaga	tatctggaac	attcgtagta	420
tctgcagcac	caccaatatc	caatgcaaga	acggcaagat	gaactgccat	gaggggtgtag	480
tgaaggtcac	agattgcagg	gacacaggaa	gttccagggc	acccaactgc	agatatcggg	540
ccatagcgag	cact					554

<210> 161
 <211> 313
 <212> DNA
 <213> Homo sapiens

<400> 161						
aattacatct	tcttttaaagc	caaatgggag	atgccctttg	acccccaaga	tactcatcag	60
tcaaggggcg	tacttgagca	ggaaaaagtg	ggtaatggtg	cccatgatga	gtttgcatca	120
cctgactata	ccttacttcc	gggacgagga	gctgtcctgc	accgtgggtg	agctgaagta	180
cacaggcaat	gccagcgcac	tcttcatect	ccctgatcaa	gacaagatgg	aggaagtgga	240
agccatgctg	ctcccagaga	ccctgaagcg	gtggagagac	tctctggagt	tcagagagat	300
aggtgagctc	tac					313

<210> 162
 <211> 519
 <212> DNA
 <213> Homo sapiens

<400> 162						
cggcgcgcct	tttttttttt	tttggecccc	cggggccccc	ttatttttaa	aacccccccc	60
ccccctgggg	ggggggcccc	gaccttttaa	gttttttttt	tttcccccg	gggaaaaaaa	120
ggggggaaaa	aaaaaaaaaa	ttcccccccc	tttttcccc	ccccaaaaaa	gggggggacc	180
ccccgggggg	ggggggggtt	ccccgggggg	gaaaaaaaaa	acccccgggg	gcccccccc	240
aatttttttc	ccccccccct	tggggggggg	gggggggggg	gggggggggg	gggggcccc	300
cccccccccc	ccccccccat	tttggggggt	tgggttgggg	gaaatttttt	tttaaaaaaa	360
aaaaaaaaaa	atttgggggt	cccccccccc	cttttttttc	ccccctttt	ttccaaaagg	420
ggaccccccc	cccccccccc	caaaaaaacc	cccccccccc	ccccaaaaaa	aacccccccc	480
cgggggggga	aaaaaaaggg	gggggggggg	ggccccccc			519

<210> 163

<211> 422
 <212> DNA
 <213> Homo sapiens

<400> 163
 aactaaaaac tacagtggaa gaaaggaagt cttcagaagc ctccccact gcgcaaagaa 60
 gtaaagatca cagtaaggaa tgcataaacg ctgccccaga ttctccgtcc aaacagcttc 120
 cagaccagat ttcattcttc agtggaaatc catcagttga aatagttcat ggtattatgc 180
 acctatataa gacaaataag atgacctcct taaaagaaga tgtgcgggcg agtgccatgc 240
 tgtgtattct cacagtcctt gctgcaatga ccagtcatga ccttatgaag tttgttgccc 300
 catttaacga agtaattgaa caaatgaaaa ttatcagaga ctctactccc aaccaatata 360
 tgggtgctgat aaagtttcgt gcacaggctg atgcggatag tttttatatg acatgcaatg 420
 gc 422

<210> 164
 <211> 626
 <212> DNA
 <213> Homo sapiens

<400> 164
 tacggccggg tgcgagctct gcgggaagcg gttcctggat agtttgcggc tgagaatgca 60
 cttactggct cattcagcgg gtgccaaagc ctttgtctgt gatcagtgcg gtgcacagtt 120
 ttcgaaggag gatgccctgg agacacacag gcagacccat actggcactg acatggccgt 180
 cttctgtctg ctgtgtggga agcgcatcca ggcgcagagc gcaactgcagc agcacatgga 240
 ggtccacgcg ggcgtgcgca gctacatctg cagtgaagtgc aaccgcacct tccccagcca 300
 cacggtcttc aaacgccacc tgcgtcaca tacaggcgac caccctacg agtgtgagtt 360
 ctgtggcagc tgcttcgggg atgagagcac actcaagagc caaaaacgca tccacacggg 420
 tgagaaaccc tacgagtgc atggctgtgg caagaagttc agcctcaagc atcagctgga 480
 gacgcactat aggggtgcaca cagggtgagaa gccctttgag tgtaggctct gccaccagcg 540
 ctccggggac tactcgcca tgatcaagca cctgagaacg cacaacggcg cctcgcccta 600
 ccagtgcacc atctgcacag agtact 626

<210> 165
 <211> 515
 <212> DNA
 <213> Homo sapiens

<400> 165
 gatagtttgc ggctgagaat gcacttactg gctcattcag cgggtgccaa agcctttgtc 60
 tgtgatcagt gcggtgcaca gttttcgaag gaggatgcc tggagacaca caggcagacc 120
 catactggca ctgacatggc cgtcttctgt ctgctgtgtg ggaagcgcat ccaggcgag 180
 agcgcaactgc agcagcacat ggaggtccac gcgggctgct gcagctacat ctgcagtgc 240
 tgcaaccgca ccttccccag ccacacggct ctcaaacgcc acctgcgctc acatacaggc 300
 gaccacccct acgagtgtga gttctgtggc agctgcttcc gggatgagag cacactcaag 360
 agccacaaac gcatccacac ggggtgagaa ccctacgagt gcaatggctg tggcaagaag 420
 ttcagcctca agcatcagct ggagacgcac tatagggtgc acacaggtga gaagcccttt 480
 gagtgtaggc tctgccacca gcgctcccg gacta 515

<210> 166
 <211> 615
 <212> DNA
 <213> Homo sapiens

<400> 166
 actgttcaag gtttattggg ggttttagtt ggtataacac ttggatagtt ggttgcattg 60
 tttgtatgta gatcttttta cattatatgg taatgtacac tactgatata gttcacaaaa 120
 taagatcctt tggaagaatt atgcacaaga catgatattg gatttatata ctggatccca 180

ggatgtgact	cactgggaaa	aaatgttgga	ctaggcatgt	tcagtgaagg	agccaggaag	240
ttatataaca	cacggtaaac	atccacctgg	ctcaaggggc	aaatgcagta	cgtacagcat	300
tggcagtggt	gcgtcagagg	tggcagaact	atttcacact	aaccagttga	agactacaca	360
agattaatac	catccagcat	caggatatag	ctgtggattt	tacaaacat	tcttatttct	420
aacttcagga	gttgatgttt	ttcccagtc	atcttaaaat	attactgctt	taatcacaga	480
tcagataaaa	aggacaacat	gcacaacctc	cacctagaat	cctgttgtag	cctagacagt	540
gaaatgatat	gacatcagaa	gactttaaaa	ttgcagctcc	ttttggatcc	cccaaagtgt	600
atctgcactc	ttctt					615

<210> 167
 <211> 99
 <212> DNA
 <213> Homo sapiens

<400> 167	
tttttttttt	ccactgttca aggtttattg ggggttttag ttggtataac acttggatag 60
tgggttgcac	tggttgtatg taaatctttt tacattata 99

<210> 168
 <211> 612
 <212> DNA
 <213> Homo sapiens

<400> 168		
tacggccggg	acatgaagga gctaggagtg ggaatagctt tgcgaaaaat gggcgcaatg 60	
gccaaagccag	attgtatcat cacttgtgat ggtaaaaacc tcaccataaa aactgagagc 120	
actttgaaaa	caacacagtt ttcttgtacc ctgggagaga agtttgaaga aaccacagct 180	
gatggcagaa	aaactcagac tgtctgcaac ttacacagat gtgcattggt tcagcatcag 240	
gagtgggatg	ggaaggaaaag cacaataaca agaaaattga aagatgggaa attagtgggtg 300	
gagtgtgtca	tgaacaatgt cacctgtact cggatctatg aaaaagtaga ataaaaattc 360	
catcatcact	ttggacagga gttaattaag agaattgtcca agctcagttc aatgagcaaa 420	
tctccatact	gtttctttct ttttttttca ttactgtgtt caattatctt tatcataaac 480	
atttttacatg	cagctattttc aaagtgtgct ggattaatta ggatcatccc tttggttaat 540	
aaataaatgg	gtttgtgcta atatatcttg tatgcattct ttaaacctta caggaaatta 600	
gtgatgagtt	tt	612

<210> 169
 <211> 410
 <212> DNA
 <213> Homo sapiens

<400> 169	
gaaaacaaca	cagtttttctt gtaccctggg agagaagttt gaagaaacca cagctgatgg 60
cagaaaaact	cagactgtct gcaactttac agatggtgca ttggttcagc atcaggagtg 120
ggatgggaag	gaaagcacaa taacaagaaa attgaaagat gggaaattag tgggtggagtg 180
tgtcatgaac	aatgtcacct gtactcgat ctatgaaaa gtagaataaa aattccatca 240
tcacttttga	caggagttaa ttaagagaat gtccaagctc agttcaatga gcaaattctc 300
atactgtttc	tttctttttt ttctattact gtgttcaatt atctttatca taaacatttt 360
acatgcagct	atttcaaagt gtgctggatt aattaggatc atccctttgg 410

<210> 170
 <211> 310
 <212> DNA
 <213> Homo sapiens

<400> 170	
gctcggaat	tcgctcgagt gctgctcccc acccatggac aggagatcct gggttgggccc 60

```

tccctctgat gaccccagcc agatgagcga gtgggggtca gcgtggccca tgggtgctgt 120
cactcagcat tcccatgcct gatgtttacc aagtgtctgt ttggacactg gctttctcca 180
aacaggattt gcctcctcca cgctccctac acacctgaga tgtaaaactgg cagtcagtgt 240
tactcagga cctaggatta gaaaatggca gagttggtgc tggatccacc ttgcacttct 300
atcaagccct 310

```

```

<210> 171
<211> 257
<212> DNA
<213> Homo sapiens

```

```

<400> 171
tgctgctccc cagcccatgg acaggagatc ctgggttggg cctccctctg atgaccccag 60
ccagatgagc gagtggggct cagcgtggcc catgggtgct gtcactcagc attcccatgc 120
ctgatgttta ccaagtgtcg tgttggacac tgactttctc caaacaggat ttgcctcctc 180
cacgtccct acacacctga gatgtaaact ggcagtcagt gttcactcag gacctaggat 240
tagaaaatgg cagagtt 257

```

```

<210> 172
<211> 593
<212> DNA
<213> Homo sapiens

```

```

<400> 172
tgaagaacgg tgccacttac gaagccaaaa tcaaggatgt ggatgagaaa gcagacatcg 60
cactcatcaa aattgaccac cagggcaage tgctgtcct gctgcttggc cgtccctcag 120
agctgcggcc gggagagttc gtggtcgcca tcggaagccc gttttccctt caaaacacag 180
tcaccaccgg gatcgtgagc accaccagc gaggcggcaa agagctgggg ctccgcaact 240
cagacatgga ctacatccag accgacgcca tcatcaacta tggaaactcg ggaggcccgt 300
tagtaaacct ggacggtgaa gtgattggaa ttaacacttt gaaagtgaca gctggaatct 360
cctttgcaat cccatctgat aagattaaaa agttcctcac ggagtcccat gaccgacagg 420
ccaaaggaaa accatcacc aagaagaagt atattggtat ccgaatgatg tactcacgt 480
ccagcaaagc caaagagctg aaggaccggc accgggactt ccagacgtg atctcaggag 540
cgtatataat tgaagtaatt cctgataccc cagcagaagc tgggtggtctc aag 593

```

```

<210> 173
<211> 304
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 106, 113, 125, 137
<223> n = A,T,C or G

```

```

<400> 173
gggtcaaagt tgagctgaag aacggtgccca cttacgaagc caaaatcaag gatgtggatg 60
agaaagcaga catcgactc atcaaaattg accaccaggg caagcngcct gtncgtctgc 120
ttgngcgtc ctcagantcg cggccgggag agttcgtggt cgccatcgga agcccgttt 180
cccttcaaaa cacagtcacc accgggatcg tgagcaccac ccagcgaggc ggcaaagagc 240
tgggggtccg caactcagac atggactaca tccagaccga cgccatcatc aactatggaa 300
actc 304

```

```

<210> 174
<211> 258
<212> DNA
<213> Homo sapiens

```

<400> 174
 ggtcagaaga gttgtgcacg cagattagca ggccaaggtc tgagccacag cagcattttt 60
 atttcagatt ttgataactg tttatatgtg ttgaaaacca aaatgacatc tttttaaagc 120
 ttatccataa aaaaaaatag atgtctttta tagtggaata acacatgggg aaaaaaatca 180
 tctattttga tgcagcattt gataatgata aaacacctca cacctcactc tttatagtgc 240
 acaaaatgaa tgaggtct 258

<210> 175
 <211> 442
 <212> DNA
 <213> Homo sapiens

<400> 175
 aagtagccgc tccgagtggg ggcgactggg ggctgaagag cgcgcgcgcc tctcgtccca 60
 ctttccagggt gtgtgatcct gtaaaattaa atcttccaag atgatctggt atatattaat 120
 tataggaatt ctgcttcccc agtctttggc tcatccaggc ttttttactt caattgggtca 180
 gatgactgat ttgatccata ctgagaaaga tctggtgact tctctgaaag attatattaa 240
 ggcagaagag gacaagttag aacaaataaa aaaatgggca gagaagttag atcggctaac 300
 tagtacagcg acaaaagatc cagaaggatt tgttgggcat ccagtaaagc cattcaaatt 360
 aatgaaacgt ctgaatactg agtggagtga gttggagaat ctggtcctta aggggtatgtc 420
 agatggcctt atctctaacc ta 442

<210> 176
 <211> 611
 <212> DNA
 <213> Homo sapiens

<400> 176
 gggctgaggt aggaagtagc cgctccgagt ggaggcgact gggggctgaa gagcgcgcgcg 60
 cctctcgtc ccactttcca ggtgtgtgat cctgtaaaat taaatcttcc aagatgatct 120
 ggtatatatt aattatagga attctgcttc ccagtcctt ggctcatcca ggctttttta 180
 cttcaattgg tcagatgact gatttgatcc atactgagaa agatctggtg acttctctga 240
 aagattatat taaggcagaa gaggacaagt tagaacaat aaaaaaatgg gcagagaagt 300
 tagatcggt aactagtaca gcgacaaaag atccagaagg atttgttggg catccagtaa 360
 atgcattcaa attaatgaaa cgtctgaata ctgagtggag tgagttggag aatctggtcc 420
 ttaagggat gtcagatggc tttatctcta acctaacct tccagagacag tactttctta 480
 atgatgaaga tcaggttggg gcagccaaag ctctgttacg tctccaggat acctacaatt 540
 tggatacaga taccatctca aagggtaatc ttccaggagt gaaacacaaa tcttttctac 600
 ggctgaggac t 611

<210> 177
 <211> 416
 <212> DNA
 <213> Homo sapiens

<400> 177
 ttacaaactc ctgaaccata atattctcgt ctccacagac acatactcca taattttaaaa 60
 ccaaatgctt gtgagaaagc ttgctcatca tacttgctgc ttcaaagaaa gactctgaat 120
 agtttctgtg tgctttatcc agaactttta aaagaacttc tgtttcatgc agttgaccgt 180
 agtctcctac ttctcttctg acgcctttta aaatctttgt aaaagtgcct tggccaaggc 240
 tttcattaaa tatcaaactc tcatttctga ttttgtgaaa caccatttgg ttcatatgag 300
 taggcctctg taatgttggg gaggttggta catcagaaac accattcgtt ctgaagacta 360
 gaagggttga tttatctttt cggctttggg ggacagcatt tagtacacgg gaaaat 416

<210> 178
 <211> 163

<212> DNA
 <213> Homo sapiens

<400> 178
 gggctttttt tttttgcaaa gttccaaatt tatgggtcgg gaaataaatc caaatctctc 60
 attaaaaaac tccttttgaa aaacttgggc ccaaaagttt cccatccgaa ctcagccttt 120
 tttgccccga tccccgactt ttttactcaa ggcccgga ggc 163

<210> 179
 <211> 285
 <212> DNA
 <213> Homo sapiens

<400> 179
 aaagttacaa atttattggt ctggaaataa atacaaatat ctcattaaga aactcctctg 60
 gaaagacttg tgcacaatag tttcccatcc gtactcagcc tctcttgccc cgatccccga 120
 cttttctact caaggccagg gaaaggcctc caaggtgatg ggccgaggt aacgagtc 180
 tgctctcac gccacctgga aggtctggact acttctctct cccaactgcg ggggtcccaga 240
 aatcctcggg tcccagtggc tgacttacaa tattcaattc actct 285

<210> 180
 <211> 458
 <212> DNA
 <213> Homo sapiens

<400> 180
 tcgagccgcc gccgcccctg tacaacaaca acaacaactg cgaggaaaat gagcagtcctc 60
 tgccccgcc gcccggcctc aacagttcct ggggtggagct acccatgaac agcagcaatg 120
 gcaatgataa tggcaatggg aaaaatgggg ggctggaaca cgtaccatcc tcctcctcca 180
 tccacaatgg agacatggag aagattcctt tggatgcaca acatgaatca ggacagagta 240
 gttccagagg cagttctcac tgtgacagcc cttcgccaca agaagatggg cagatcatgt 300
 ttgatgtgga aatgcacacc agcagggacc atagctctca gtcagaagaa gaagttgtag 360
 aaggagagaa ggaagtcgag gctttgaaga aaagtgcgga ctgggtatca gactggtcca 420
 gtagaccgga aaacattcca cccaaggagt tccacttc 458

<210> 181
 <211> 329
 <212> DNA
 <213> Homo sapiens

<400> 181
 tttttttttt tttttttttt tttcttttta ataactatca actcaaactt agggaaactt 60
 gcctttgtct tgggggaaaa aaacaactag acaataaagc ttctttttaca tcatttgcta 120
 acctgatctc gttttaagag agagatggta gttatgttgc aagagtaaaa tttataccat 180
 gaatgataca ggtctagtct ggtggcacta attagagata atagcattgc tgacaaaatt 240
 ataactgtct ggtggcattt gcggaaaaga ggcccttgca aattttctaa caacagtaaa 300
 ctctgttagg aaattctaaa atgtcttca 329

<210> 182
 <211> 527
 <212> DNA
 <213> Homo sapiens

<400> 182
 atacatgtaa cttcattatt ttaaaaatat ttttagaact ccaataactca ccctgttatg 60
 tcttgctagt ttaaattttg ctaattaact gaaacatgct taccagattc acactgttcc 120
 agtgtctata aaagaaacac tttgaagtct ataaaaata aaataattat aaatgtcatt 180

```

gtacatagca tgttttatatc tgcaaaaaaac ctaatagcta attaatctgg aatatgcaac 240
attgtcctta attgatgcaa ataacacaaa tgctgcaaag aaatctacta tatcccttaa 300
tgaaatacat cattcttcat atatttctcc ttcagtcctat tcccttaggc aatttttaat 360
ttttaaaaaat tattatcagg ggagaaaaaat tggcaacgct attatatgta agggaaatat 420
atacaaaaag aaaattaatc atagtcacct gactaagaaa ttctgactgc tagttgccat 480
aaataactca atggaaatat tcctatggga taatgtattt taagtga 527

```

```

<210> 183
<211> 530
<212> DNA
<213> Homo sapiens

```

```

<400> 183
atacatatcat gtaacttcat tatttttaaaa atatttttag aactccaata ctcaccctgt 60
tatgtcttgc taattttaaat tttgctaatt aactgaaaca tgcttaccag attcacactg 120
ttccagtgtc tataaaaagaa acactttgaa gtctataaaa aataaaaataa ttataaatat 180
cattgtacat agcatgttta tatctgcaaa aaacctaata gctaattaat ctggaatatg 240
caacattgtc cttaattgat gcaaataaca caaatgctca aagaaatcta ctatatccct 300
taatgaaata catcattctt catatatctt tccttcagtc cattccctta ggcaattttt 360
aattttttaa aattattatc aggggagaaa aattggcaaa actattatat gtaagggaaa 420
tatatacaaa aagaaaatta atcatagtca cctgactaag aaattctgac tgctagtgtg 480
cataaataac tcaatggaaa tattcctatg ggataatgta ttttaagtga 530

```

```

<210> 184
<211> 253
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 98, 141, 162, 213
<223> n = A,T,C or G

```

```

<400> 184
tatacatata tgtaacttca ttatttttaaa aatatttttta gaactccaat actcaccctg 60
ttatgtcttg ctaattttaa ttttgctaatt taactganac atgcttacca gattcacact 120
gttccagtgt ctataaaaga nacactttga agtctataaa anataaaata attataaata 180
tcattgtaca tagcatgttt atatctgcaa aanacctaata agctaattaa tctggaatat 240
gcaacattgt cct 253

```

```

<210> 185
<211> 421
<212> DNA
<213> Homo sapiens

```

```

<400> 185
ccgttgctgt cgateccagc tccttgggag gctgaggcgg gagaattgcg ggaaggcggg 60
gacggagggt gcagtgagcc gagatcgac tgctgtaccc agcctgggcc acagtgcaag 120
actccatctc aaaaaaaaaa gaaaagaaaa agcctgttta atgcacaggt gtgagtggat 180
tgcttatggc tatgagatag gttgatctcg cccttaccce ggggtctggg gtatgctgtg 240
ctttcctcag cagtatggct ctgacatctc ttaaagtgtc caacttcagc tgttgggaga 300
tggtgatatt ttcaacccta ctccctaaac atctgtctgg gggtccctta gtcttgaatg 360
tcttatgctc aattatttgg tgttgagcct ctcttcacac agagctcctc catgttttga 420
t 421

```

```

<210> 186
<211> 377

```

```

<212> DNA
<213> Homo sapiens

<400> 186
cagctccttg ggaggctgag gcgggagaat tgcttgaacc cggggacgga ggttgccagtg 60
agccgagatc gcactgctgt acccagcctg ggccacagtg caagactcca tctcaaaaaa 120
aaaagaaaag aaaaagcctg tttaatgcac aggtgtgagt ggattgctta tggctatgag 180
ataggttgat ctgcacctta ccccggggtc tgggtgatgc tgtgctttcc tcagcagtat 240
ggctctgaca tctcttagat gtcccaactt cagctgttgg gagatgggtga tattttcaac 300
cctacttctt aaacatctgt ctgggggttcc tttagtcttg aatgtcttat gctcaattat 360
ttggtgttga gcctctc 377

<210> 187
<211> 243
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 228
<223> n = A,T,C or G

<400> 187
gaggtattcc acctcctacc ggaatataat taaagggaga aatacactgt atgaagtata 60
tggtgatact atgacatgtt gccaacacct tgagaagcat tatttgtttc taataaaaagt 120
aatggctttg tcaatatatt ggtgggttta aaactttgct gcttttttac ataaagcctg 180
tgccttttct agaaagttaa gatgtaaatg tattctcaca tgtaaantg aaagttcagg 240
ggt 243

<210> 188
<211> 544
<212> DNA
<213> Homo sapiens

<400> 188
tattccacct cctaccggaa tataattaaa gggagaaata cactgtatga agtatatgtt 60
gatactatga catgttgcca acaccttgag aagcattatt tgtttctaataaaaagtaagt 120
gctttgtcaa tatattgggtg ggttttaaac tttgctgctt ttttacataa agcctgtgcc 180
tttcctagaa agttaagatg taaatgtatt ctacatgta aatttgaaag ttcaggggtc 240
tattatgaaa tgatacacat ttttaaatga accataattt ttttactaa gctgtttgcc 300
ttccaaagtg tttacacctt aagccttaac atgtatcttc attcagaaaa cagttatatt 360
gtcataccat agtaggaaga aaaaccttta tttggaatat acactactgt aagtttgtac 420
agatcatata cctaccacct gtctttgctt aaagagcctt gattacataa atatgtagga 480
aaaaacatat tgagttcaaa atttatatct aacattgttt atgttatgat ttttttttaa 540
ttgc 544

<210> 189
<211> 244
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 210
<223> n = A,T,C or G

<400> 189

```

```

cacaaaaggt atgatcagca acttgcttgg gaaaggagcc gtggaccagc tgacacggct 60
ggtgctgggtg aatgccctct acttcaacgg ccagtgggaag actcccttcc ccgactccag 120
caccacccgc cgcctcttcc acaaatcaga cggcagcact gtctctgtgc ccatgatggc 180
tcagaccaac aagttcaact atactgagtn caccacgccc gatggccatt atacgacatc 240
ctgg
244

```

```

<210> 190
<211> 209
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 140
<223> n = A,T,C or G

```

```

<400> 190
gaacactggt gctcttgggtg gacgggcccc gaggaattca gagttaaaccc ttgagtgcct 60
gcgtccgtga gaattcagca tggaatgtct ctactatttc ctgggatttc tgctcctggc 120
tgcaagattg ccacttgatn ccgccaaacg atttcatgat gtgctgggca atgaaagacc 180
ttctgcttac atgaggggagc acaatcaat
209

```

```

<210> 191
<211> 254
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 85, 100, 143, 155, 182, 203, 229, 245, 254
<223> n = A,T,C or G

```

```

<400> 191
ctcccaacca agctctcttg aggatcttga aggaaactga attcaaaaag atcaaagtcc 60
tggtgctcgg tgcttctggc acgnggtata agggactctn gatcccagaa ggtgagaaaag 120
ttaaaattcc cgctcgtatc aangaattaa gagangcaac atctccgaaa gccaacaagg 180
anactctcga tgaagcctac gtnatggcca gcgtggacaa cccccacng tgccgctctg 240
tggnatctg tctn
254

```

```

<210> 192
<211> 484
<212> DNA
<213> Homo sapiens

```

```

<400> 192
tttttttttt tttttttttt aaatatacct ctttgaaaga taaatttctg ctcaaaggga 60
caatattctt gctggatgcg ttctgtgaaa tgcttcacag tttgaagaca aaggaatgca 120
acttcccaaa atgtgcccgga ggtggaagta ctctctggct agtcggtgta aacgttgcaa 180
aaccagtctg tgggtctaag agctaattgc ggcattggctg ttgggatgga ggacctgctg 240
tggttgggtc ctgggtatcg aaagagtctg gatttttagg gctcatacta tcctccgtgg 300
tcatactcca ataaattcac tgctttgtgg cgcgaccctt aggtattctg cattttcagc 360
tgtggagccc ttaaagatgc catttggtct ggcttccttg ggaaagaagt cctgctggta 420
gtcaggggtg tccaggctaa tttggtggct gcctttctgg gccagtgagg cagggctgtc 480
gaat
484

```

```

<210> 193
<211> 660

```

<212> DNA
 <213> Homo sapiens

<400> 193
 ttttaatcata tccaggagtt tgcaagaaac aggtgcttaa cactaattca cctcctgaac 60
 aagaaaaatg ggctgtgacc ggaactgtgg gctcatcgct ggggctgtca ttgggtgctgt 120
 cctggctgtg tttggaggta ttctaatagcc agttggagac ctgcttatcc agaagacaat 180
 taaaaagcaa gttgtcctcg aagaaggtac aattgctttt aaaaattggg ttaaaacagg 240
 cacagaagtt tacagacagt tttggatctt tgatgtgcaa aatccacagg aagtgatgat 300
 gaacagcagc aacattcaag ttaagcaaag aggtccttat acgtacagag ttcgttttct 360
 agccaaggaa aatgtaaccc aggacgctga ggacaacaca gtctctttcc tgcagcccaa 420
 tgggtgccatc ttcgaacctt cactatcagt tgggaacagag gctgacaact tcacagttct 480
 caatctggct gtggcagctg catcccatat ctatcaaaat caatttgttc aaatgatcct 540
 caattcactt attaacaagt caaaatcttc tatgttccaa gtcagaactt tgagagaact 600
 gttatggggc tatagggatc cttttttgag tttgggttcg taccctgtta ctaccacagt 660

<210> 194
 <211> 277
 <212> DNA
 <213> Homo sapiens

<400> 194
 ctttaatcat atccaggagt ttgcaagaaa caggtgctta acactaattc acctcctgaa 60
 caagaaaaat gggctgtgac cggaactgtg ggctcatcgc tggggctgtc attgggtgctg 120
 tcttggtgtg gtttggagggt attctaatagc cagttggaga cctgcttata cagaagacaa 180
 ttaaaaagca agttgtcctc gaagaaggta caattgcttt taaaaattgg gttaaaacag 240
 gcacagaagt ttacagacag ttttggatct ttgatgt 277

<210> 195
 <211> 457
 <212> DNA
 <213> Homo sapiens

<400> 195
 gactgggttt ggggtgcagac gttgtttgctt gggcgcttct ccgctgctgt taggtgaagg 60
 gggcttcctg accgagacat ggatttaggt gctattacaa aataactcagc attacacgcc 120
 aagcccaatg gactgatcct tcaatacggg actgctggat ttcgaacgaa ggcagaacat 180
 cttgatcatg tcatgtttcg catgggatta ttagctgtcc tgaggtcaaa acagacaaaa 240
 tccactatag gagtcatggg aacagcgtcc cacaatcctg aggaagacaa tgggtgtaaaa 300
 ttggttgatc ctttgggtga aatgttggca ccatcctggg aggaacatgc cacctgttta 360
 gcaaagtctg aggaacaaga tatgcagaga gtgcttattg acatcagcga gaaagaagct 420
 gtgaatctgc aacaagatgc ctttgtagtt attggta 457

<210> 196
 <211> 361
 <212> DNA
 <213> Homo sapiens

<400> 196
 tttttttttt tttttttttt tttgggcagg agaccatgtt actttattca tttgtttaac 60
 ttttaaccatg ttcaataaac ttttcacctg tttggtgagt tccacaaaag ccttagagag 120
 tttctggtag taaccttcta tagttgcctt tccatatcgg ccaccctgtt ttcgacaata 180
 caccatgtag tgcagctggg gtgttggtta caagccataa tcatggaatt gacctcctag 240
 aacagtcaca ccatctatta cagattgtga aagtttctca ctgctgggcc tggatatctc 300
 accaataact acaaaggcat cttgttgcag attcacagct tctttctcgc tgatgtcaat 360
 a 361

<210> 197
 <211> 551
 <212> DNA
 <213> Homo sapiens

<400> 197
 gagccgagct gatttgatcg aggagcgcgg ttaccggacg ggctgggtct atggtcgctc 60
 cgcgggccgc tccgcgggct ggtgcttttt tatcagggca agctgtgttc catggcaggg 120
 aacttttggc agatctccca ctatttgcaa tggattttgg ataaacaaga tctgttgaag 180
 gagcgccaaa aggattttaa gtttctctca gaggaagaat attggaagtt acaaataatt 240
 tttacaaatg ttatccaagc attaggtgaa catcttaa atagacaaca agttattgcc 300
 actgctacgg tatatttcaa gagattctat gccagggtatt ctctgaaaag tatagatcct 360
 gtattaatgg ctctacatg tgtgtttttg gcatccaaag tagaggaatt tggagtagtt 420
 tcaaatataa gattgattgc tgctgctact tctgtattaa aaactagatt ttcatatgcc 480
 tttccaaagg aatttcctta taggatgaat catatattag aatgtgaatt ctatctgtta 540
 gaactaatgg a 551

<210> 198
 <211> 637
 <212> DNA
 <213> Homo sapiens

<400> 198
 tacggccggg agtcgagccg agctgatttg atcgaggagc gcgggtaccg gacgggctgg 60
 gtctatggct gctccgcggg ccgctccgcc ggctgggtgt tttttatcag ggcaagctgt 120
 gttccatggc agggaaacttt tggcagagct cccactattt gcaatggatt ttggataaac 180
 aagatctgtt gaaggagcgc caaaaggatt taaagtttct ctacagaggaa gaatattgga 240
 agttacaaat attttttaca aatgttatcc aagcattagg tgaacatctt aaattaagac 300
 aacaagttat tgccactgct acggtatatt tcaagagatt ctatgccagg tattctctga 360
 aaagtattaga tcctgtatta atggctccta catgtgtgtt tttggcatcc aaagtagagg 420
 aatttggagt agtttcaa atacaagattga ttgctgtgct tacttctgta ttaaaaacta 480
 gattttcata tgccctttcca aaggaatttc cttataggat gaatcatata ttagaatgtg 540
 aattctatct gttagaacta atggattgtt gcttgatagt gtatcatcct tatagacctt 600
 tgctccagta tgtgcaggac atgggccaaag aagacat 637

<210> 199
 <211> 130
 <212> DNA
 <213> Homo sapiens

<400> 199
 tagaaagcct ccacctggag tacaatgccc tcaaggtcct tcacaatggc accctggctg 60
 agttgcaagg tctacccac attaggggtt tcctggacaa caatccctgg gtctgcgact 120
 gccacatggc 130

<210> 200
 <211> 372
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 29, 100, 297, 298, 353, 357
 <223> n = A,T,C or G

<400> 200

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gtgctgtttg accaatgggc atgtggccna gattggggac ttcgggctgg ctagggacat 60
catgaatgac tccaactaca ttgtcaaggg caatgccgn ctgcctgtga agtggatggc 120
cccagagagc atctttgact gtgtctacac ggttcagagc gacgtctggt cctatggcat 180
cctcctctgg gagatcttct cacttgggct gaatccctac cctggcatcc tggatgaacag 240
caagttctat aaactgggtga aggatggata ccaaattggc cagcctgcat ttgccnnaa 300
gaatatatac agcatcatgc aggcctgctg ggcttgggag cccaccaca ganccanctt 360
ccagcagatc tg

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<210> 201
<211> 478
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> 3, 10, 11, 78, 112, 130, 150, 231, 457
<223> n = A,T,C or G

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<400> 201
gancacctgn nacaaggagg atggacggcc cctggagctc cgggacctgc ttcacttctc 60
cagccaagta gccaggnat ggccttctct gcttccaaga attgcatcca cngggacgtg 120
gcagcgcgtn acgtgctgtt gaccaatggn catgtggcca agattgggga cttcgggctg 180
gctagggaca tcatgaatga ctccaactac attgtcaagg gcaatgccgc nctgcctgtg 240
aagtggatgg cccagagag catctttgac tgtgtctaca cggttcagag cgacgtctgg 300
tcctatggca tcctcctctg ggagatcttc tcacttgggc tgaatcccta ccctggcatc 360
ctggtgaaca gcaagttcta taaactgggt gaaaggatgg ataccaaatg gccagcctg 420
cattttgccc ccaaagaata tatacaagca tccatgnagg cccttctggg ccttggag 478

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<210> 202
<211> 218
<212> DNA
<213> Homo sapiens

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<400> 202
gcgagcaagg ggatatcgcc cagcccttgc tgcagcccaa caactatcag ttctgtgtgag 60
gagttgacga caggaggtac cactctcccc tcccacaaac ttcaactcct ccatggatgg 120
ggcgacacgg ggagaacata caaactctgc cttcgggtcat ttcactcaac agctcggccc 180
agctctgaaa cttgggaagg tgagggatctc aggggagg
218

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<210> 203
<211> 556
<212> DNA
<213> Homo sapiens

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```

<400> 203
taagctcgga attcggctcg aggcgagcaa ggggatatcg cccagccctt gctgcagccc 60
aacaactatc agttctgtcg aggagttgac gacagggagt accactctcc cctcccacaa 120
atttcaactc ctccatggat ggggcgacac ggggagaaca taaaaactct gccttcggtc 180
atttcaactc acagctcggc ccagctctga aacttgggaa ggtgagggat tcaggggagg 240
tcagaggatc ccacttctcg agcatgggccc atcactgcca gtcaggggct gggggctgag 300
ccctcacccc cccctccctt actgtttctc tgggtgttggc ctctgttttg ctatgccaac 360
tagtagaacc ttctttctta atccccctat cttcatggaa atggactgac tttatgccta 420
tgaagtcccc aggagctaca ctgatactga gaaaaccagg ctctttgggg ctagacagac 480
tggcagagag tgagatctcc ctctctgaga ggagcagcag atgctcacag accacactca 540
gctcaggccc cttgga
556

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```

<210> 204

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<211> 319
 <212> DNA
 <213> Homo sapiens

<400> 204
 tccttatttta tttaacttca cccgagttcc tctggggttcc taagcagtta tgggtgatgac 60
 ttagcgtcaa gacatttgct gaactcagca cattcgggac caatatatag tgggtacatc 120
 aagtcacatct gacaaaaatgg ggcagaagag aaaggactca gtgtgtgatc cggtttcttt 180
 ttgctcgccc ctgttttttg tagaatctct tcatgcttga catacctacc agtattattc 240
 ccgacgacac atatacatat gagaatatac cttattttatt tttgtgtagg tgtctgcctt 300
 cacaaatgtc atgtctact 319

<210> 205
 <211> 456
 <212> DNA
 <213> Homo sapiens

<400> 205
 attccgttgc tgtcgagggt cactaccagt acaagagcat ccctgtggag gacaaccaca 60
 aggcagacat cagctcctgg ttcaacgagg ccattgactt catagactcc atcaagaatg 120
 ctggaggaag ggtgtttgtc cactgccagg caggcatttc ccggtcagcc accatctgcc 180
 tggcttacct tatgaggact aatcgagtca agctggacga ggcctttgag tttgtgaagc 240
 agaggcgaag catcatctct cccaacttca gcttcattgg ccagctgctg cagtttgagt 300
 cccaggtgct ggctccgcac tgttcggcag aggctgggag ccccgccatg gctgtgctcg 360
 accgaggcac ctccaccacc accgtgttca acttccccgt ctccatccct gtccactcca 420
 cgaacagtgc gctgagctac cttcagagcc ccatta 456

<210> 206
 <211> 533
 <212> DNA
 <213> Homo sapiens

<400> 206
 agttttttaa taatgaatat tatttaatac cacaacagaa ttatcccaa tttccaataa 60
 gtccatcat tgaaaattca aatataagtg aagaaaaaat tagtagatca acaatctaaa 120
 caaatccctc ggttctaaga tacaatggat tccccatact ggaaggactc tgaggcttta 180
 ttccccact atgcatactt tatcatttta ttattataca cacatccatc ctaaactata 240
 ctaaagccct tttcccatgc atggatggaa atggaagatt tttttttaac ttgttctaaa 300
 agtcttaata tgggctgttg ccatgaaggc ttgcagaatt gagtccattt tctagctgcc 360
 tttattcaca tagtggacgg ggtacctaaa agtactgggg ttgactcaga gagtcgctgt 420
 cattctgtca ttgctgctac tctaacactg agcaacactc tcccagtggc agatcccctg 480
 tatcattcca agaggagcat tcatcccttt gctctaataga tcaggaatga tgc 533

<210> 207
 <211> 246
 <212> DNA
 <213> Homo sapiens

<400> 207
 aatgcactaa ctcaatacca agatgagttt tttaaataatg aatattattt aataccacaa 60
 cagaattatc cccaatttcc aataagtcct atcattgaaa attcaaatat aagtgaagaa 120
 aaaattagta gatcaacaat ctaaacaat cctcgggttc taagatacaa tggattcccc 180
 atactggaag gactctgagg ctttattccc ccactatgca tatcttatca ttttattatt 240
 atacac 246

<210> 208
 <211> 407


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<212> DNA
<213> Homo sapiens

<400> 208
ggccgcgcctt tttttttttt tttttttttt ttttttttgg gcaaaaaggg gctttttttt 60
ttttccccc cccttttttt aacccttccc ctaatatttc ccccaaaaaa aaaaattttt 120
tttttttggg ggggggaaaa aaaaggga aaacaccccc cccccgggg ggggaaaaaa 180
accccccaaa aacccccctt ttgggggggt ccccccccat gggggttccc cccccaattt 240
ttttccccc cccaaaaaaa tttttaaccc ccccccaagg ggggtgaaaa ccttaaaaaa 300
aaccccccg gaaaaaccaa accccttttt taaaaaaaaa aaaaaattt ttggggggca 360
aaaccccccc ccccaaaaaa accccccccc ccccccttaa aaaaaaa 407

<210> 209
<211> 359
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 1, 53, 121, 123, 128, 133, 142, 150, 174, 179, 183, 186,
196, 200, 201, 204, 207, 212, 215, 218, 224, 229, 230, 231,
243, 244, 249, 260, 261, 267, 268, 270, 273, 279, 289, 291,
295, 301, 303, 305, 312, 315, 337, 345, 357
<223> n = A,T,C or G

<400> 209
ncggggactg cgcgggcggg cagagccggg cgtgggcgag aacgaacggg ctncctgagg 60
ctgagagcgt cgagtgtcac catgggtatc acgcttggag cttectaaag gacttctctg 120
ncngggcctc gcncctgccc tntccaagan cccggtcggc cccaatcgag aggncaaanc 180
tgntgntgaa ggtgcnagan nccnagnaac angtnaantc ttangaagnn ntacaaaggg 240
gtnnattant tttttggtan nattccnnan gancaaggnt ttcctttcnt nttgnagggt 300
nancntggca angtnattcc ttaatttccc aaccaangtt ttaantttgg ctttaangg 359

<210> 210
<211> 394
<212> DNA
<213> Homo sapiens

<400> 210
tttttttttt gcattaagtg gtctttattg atgtttcaca ttcagttatt atcaattctt 60
cagttaattg tacaagtatg ataaattatt ttctatttgc tgtgggaatt taaatgtaaa 120
ataaatacaa aatacatgtg tggtttaatg aacactcaat gaagcatctc ttctgaggta 180
ttcctttcag tctggtttta tcccaggatc tttttacttc ccctaggaat agtctattaa 240
accacacaat ggatctgtga acttgtagat caagttcact gtaaattctgt gaacttgtgt 300
tttaattaca ttagacatat tttttgatct catcatacaa caccaataca aaaggcaccg 360
cccatgcctc tcaggcacat tgggaccggg cacc 394

<210> 211
<211> 292
<212> DNA
<213> Homo sapiens

<400> 211
gggagcccac cagcaagaat gagttggagc aatcttttca tgtgacctcc ttaacagata 60
tttactgaag gaatctaggt tgtattttca gtggacaatg ggaataaagc atttctaaag 120
caccgactgg agaggaaggc aacagagaca aggagagaag ccgagagaca tgtctgcgtg 180
ctgccacgca tttgagcgat tgctctgtga agagttgtac actgaacact ttcaggggag 240

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gctgtttacc caggcaatgt cctcaaaca gctgtgccc ggggtgtcctg ga 292

<210> 212
<211> 495
<212> DNA
<213> Homo sapiens

<400> 212
aattccgttg ctgtcgtgctg gccaggtaa tttgagcaaa ggcacagtg aactccggcg 60
tggctgagga aggaggaggc acccacaggc tgctgggagg agagcataag gctcaaaatg 120
gaaaatcata aatccaataa taaggaaaac ataacaattg ttgatataat cagaaaaatt 180
aaccagcttc cagaagcaga aaggaatcta cttgaaaatg gatcgggtta tgttggtgata 240
aatgctgctc tttgtggcct catagcaaac agtctttttc gacgcattct gaatgtgaca 300
aaggctcgca tagctgctgg cttaccaatg gcagggatac cttttcttac aacagactta 360
acttacagat gttttgtgaa ttttcctttg aatacagggt atttggattg tgaaacctgt 420
accataacac ggagtggact gactgggtct gttattgggt gtctataccc tgttttcttg 480
gctatacctg taaat 495

<210> 213
<211> 358
<212> DNA
<213> Homo sapiens

<400> 213
tgcgaccgcg atctcctgca gctggtgcac cacctcggcg atggacagcc gtcctccg 60
gttcacctgc agcatggcga ggatgagget gtggaagacc gtgtactgcg tgcgtgccc 120
ggggatcgag tacttcccat tgactattcg aagtttcgct ccatacctca aaggggtgctg 180
ccggaagcac agcaggtaca agatgcagcc caggggcccag atatacctgct tctcgccgat 240
cgggaagttg gaatacaagt ctatgatttc tgggtgttcta tacattgggt ttgtattcct 300
cgtgatctga aaaaatacaa acatttcaaa ggaaaagttg catcccacaa acagtatt 358

<210> 214
<211> 406
<212> DNA
<213> Homo sapiens

<400> 214
tggtacgcct gcaggtaccg gtccggaatt cccgggtcga cccacgcgtc cgaggacatc 60
tggaatgtca ctggtgccc ggtgtacttg agctgtgagg tcatcggaat cccgacacct 120
gtcctcatct ggaacaaggt aaaaaggggt cactatggag ttcaaaggac agaactcctg 180
cctggtgacc gggacaacct ggccattcag acccggggtg gccagaaaa gcatgaagta 240
actggctggg tgctggtatc tcctctaagt aaggaagatg ctggagaata tgagtgccat 300
gcatccaatt cccaaggaca ggcttcagca tcagcaaaaa ttacagtggg tgatgcctta 360
catgaaatac cagtgaaaaa aggtgaaggt gccgagctat aaacct 406

<210> 215
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 66, 71, 259
<223> n = A,T,C or G

<400> 215
aggacatctg gaatgtcact ggtgccagg tgtacttgag ctgtgaggtc atcggaatcc 60

cgacanctgt	netcatctgg	aacaaggtaa	aaaggggtca	ctatggagtt	caaaggacag	120
aactttctgcc	tgggtgaccgg	gacaacctgg	ccattcagac	ccgggggtggc	ccagaaaagc	180
atgaagtaac	tggctgggtg	ctgggtatctc	ctctaagtaa	ggaagatgct	ggagaatatg	240
agtgccatgc	atccaattnc	caaggacagg	cttcagcatc	agcaaaaatt	acagtgggtg	300

<210> 216
 <211> 232
 <212> DNA
 <213> Homo sapiens

<400> 216						
ttcaaaagct	tagagagaat	aagcttcttg	gtgggtgaaat	acaactctca	cgtgtgctcc	60
agttctaaaa	ttaacctgtg	cctgggtctct	gaagcccttt	cttgctctgt	gcctttcagc	120
cacatcctta	ggtgctaacg	gccatgagct	ccgactctcc	aaagtgagct	ccactttggg	180
tctgaggagc	ccctggcaga	gtccacgctg	cctcaggtat	catgggcgta	at	232

<210> 217
 <211> 453
 <212> DNA
 <213> Homo sapiens

<400> 217						
ataagcttct	tgggtggtgaa	actacaactc	tcacgtgtgc	tccagttcta	aaattaacct	60
gtgcctggtc	tctgaagccc	tttcttggctc	tgtgcctttc	agccacatcc	ttaggtgcta	120
acggccatga	gtcccgactc	tccaaagtga	gtccactttt	gggtctgagg	agcccttggc	180
agagtccacg	ctgcctcagg	tatcatgggc	gtaatgatca	cccaggctcc	gggagatctc	240
atggatgatt	actgtatgag	acagagggga	cttcagtctt	tccagggcct	tgggtggaatt	300
tttggctctg	gtgttttctgc	cagacaataa	acttacactg	gaagctttga	ttcacctctc	360
acagtactcc	agaaaggact	gtcctataag	ttgtacactt	taaaaggctc	tgtagaggtt	420
gtagtagaat	ggcttttcac	cctggtgact	ttg			453

<210> 218
 <211> 520
 <212> DNA
 <213> Homo sapiens

<400> 218						
agatgtgtga	gaagtgcccc	acctgcccgg	atgcatgcag	caccaagaga	gattgcgctc	60
agtgcctgct	gtccactctc	gggaaacctg	acaaccagac	ctgccacagc	ctatgcaggg	120
atgaggtgat	cacatgggtg	gacaccatcg	tgaagatga	ccaggaggct	gtgctatgtt	180
tctacaaaac	cgccaaggac	tgcgtcatga	tgttcaccta	tgtggagctc	cccagtggga	240
agtccaacct	gaccgtcctc	agggagccag	agtgtggaaa	cacccccaac	gcatgacca	300
tcctcctggc	tgtggtcggg	agcctcctcc	ttgttgggct	tgcactcctg	gctatctgga	360
agctgcttgt	caccatccac	gaccggaggg	agtttgcaaa	gtttcagagc	gagcgatcca	420
gggcccgcga	tgaaatggct	tcaaattctat	tatacagaaa	gcctatctcc	acgcacactg	480
tggacttcac	cttcaacaag	ttcaacaaat	cctacaatgg			520

<210> 219
 <211> 404
 <212> DNA
 <213> Homo sapiens

<400> 219						
agatgtgtga	gaagtgcccc	acctgcccgg	atgcatgcag	caccaagaga	gattgcgctc	60
agtgcctgct	gtccactctc	gggaaacctg	acaaccagac	ctgccacagc	ctatgcaggg	120
atgaggtgat	cacatgggtg	gacaccatcg	tgaagatga	ccaggaggct	gtgctatgtt	180

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tctacaaaac cgccaaggac tgcgtcatga tgttcaccta tgtggagctc cccagtggga 240
agtccaacct gaccgtcctc agggagccag agtgtggaaa ccccccaac gccatgacca 300
tcctcctggc tgtgggtcggg agcctcctcc ttgttgggct tgcactcctg gctatctgga 360
agctgcttgt caccatccac gaccggaggg agtttgcaaa gttt 404

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<210> 220
<211> 80
<212> DNA
<213> Homo sapiens

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<400> 220
atggcttcaa atccattata cagaaagcct atctccacgc acactgtgga cttcaccttc 60
aacaagttca acaaatccta 80

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<210> 221
<211> 607
<212> DNA
<213> Homo sapiens

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<400> 221
tgccccacct gcccggtatgc atgcagcacc aagagagatt gcgtcgagtgc cctgctgctc 60
cactctggga aacctgacaa ccagacctgc cacagcctat gcagggatga ggtgatcaca 120
tggttggaaca ccacgtgaa agatgaccag gaggtctgtgc tatgtttcta caaaaccgcc 180
aaggactgag tcatgatgtt cacctatgtg gagctcccca gtgggaagtc caacctgacc 240
gtcctcaggg agccagagtgc tggaaacacc cccaacgcca tgaccatcct cctggctgtg 300
gtcggtagca tcctccttgt tgggcttgca ctcttggtga tctggaagct gcttgtcacc 360
atccacgacc ggagggagtt tgcaaagttt cagagcgagc gatccagggc ccgctatgaa 420
atggcttcaa atccattata cagaaagcct atctccacgc acactgtgga cttcaccttc 480
aacaagttca acaaatccta caatggcact gtggactgat gtttccttct ccgaggggct 540
ggagcgggga tctgatgaaa aggtcagact gaaacgcctt gcacggctgc tcggcttcat 600
cacaact 607

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<210> 222
<211> 583
<212> DNA
<213> Homo sapiens

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```

<400> 222
ggtatgtgcc atcacaagca gatgtggcag tatttgaagc cgtgtccagc ccaccgcctg 60
ccgacttggtg tcatgcccta cggttggtata atcacatcaa gtcttacgaa aaggaaaagg 120
ccagcctgcc aggagtgaag aaagcttttg gcaaatatgg tcctgccgat gtggaagaca 180
ctacaggaag tggagctaca gatagtaaag atgatgatga cattgacctc tttggatctg 240
atgatgagga ggaaagtga gaagcaaaga ggctaaggga agaacgtctt gcacaatatg 300
aatcaaagaa agccaaaaaa cctgcacttg ttgccaagtc ttccatctta ctagatgtga 360
aaccttggga tgatgagaca gatatggcga aattagagga gtgcgtcaga agcattcaag 420
cagacggctt agtctggggc tcatctaaac tagttccagt gggatacgga attaagaaac 480
ttcaaataca gtgtgtagtt gaagatgata aagttggaac agatatgctg gaggagcaga 540
tcactgcttt tgaggactat gtgcagtcga tggatgtggc tgc 583

```

```

<210> 223
<211> 296
<212> DNA
<213> Homo sapiens

```

```

<400> 223
tacatcgagg ggtatgtgcc atcacaagca gatgtggcag tatttgaagc cgtgtccagc 60
ccaccgcctg ccgacttggtg tcatgcccta cggttggtata atcacatcaa gtcttacgaa 120

```

```

aaggaaaagg ccagcctgcc aggagtgaag aaagcttttg gcaaatatgg tectgccgat 180
gtggaagaca ctacaggaag tggagctaca gatagtaaag atgatgatga cattgacctc 240
tttggatctg atgatgagga ggaaagtga aaagcaaaga ggctaaggga agaacg      296

```

```

<210> 224
<211> 208
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 97
<223> n = A,T,C or G

```

```

<400> 224
gactacatct tggacctgca gatcgccctg gactcgcatc ccactattgt cagcctgcat 60
caccagagac ccgggcagaa ccaggcgtec aggacgnccg tgaccaccct caacacggat 120
atcagcatcc tgtccttgca ggcttctgaa ttcccttctg agttaatgtc aaatgacagc 180
aaagcactgt gtggctgaat aagcgggtg
208

```

```

<210> 225
<211> 274
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 133
<223> n = A,T,C or G

```

```

<400> 225
gcagcggctg gagcggcaga tcagccagga tgtcaagctg gagccagaca tectgcttcg 60
ggccaagcaa gatttcctga agacggacag tgactcggac ctacagctct acaaggaaca 120
gggtgagggg canggtgacc ggagcctgcg ggagcgtgat gtgctggaac gggagtttca 180
gcgggtcacc atctctgggg aggagaagtg tgggggtgccg ttcacagacc tgctggatgc 240
agccaagatg tgggtgcgggc gtcttcatcc ggga
274

```

```

<210> 226
<211> 330
<212> DNA
<213> Homo sapiens

```

```

<400> 226
ggccgcccctt tttttttttt tttttttttg ggcccagggg gggccccctt gggaaaaaca 60
cccgggaaac ttcccaaagg ggccttgggg gaattttttt taaaaaaaaa ctttttttta 120
aaaaaaaaactt tgggatttaa attttttttc cggccccctt tttgggccgg gtaccccaat 180
ttaaaaaaagg ggggcttttt aaaggttggg aaaaaaaaaa aattgggggg gcccaaaaaa 240
ttgggggggcc cccaaaaaaa aagcgggggt tggaataatt ttgggggggt ttggaaattt 300
gggccccaaa acggggggacc cttttccccc
330

```

```

<210> 227
<211> 525
<212> DNA
<213> Homo sapiens

```

```

<400> 227
gaatttggcc ctcgaggcca agaattcggc acgagggttc acatagcaat ttaatcaagt 60

```

```

aatgggtaaat tagttacccc ctatatataa atatatgtaa tcaattttctt caaatagctt 120
gcttacatga taatcaatta gccaacccatg agtcattttag aatagtgata aatagaatac 180
acagaatagt gatgaaattc aattttaaaaa atcacgtttag cctccaaacc atttaattca 240
aatgaaccca tcaactggat gccaaactctg gcgaatgtag gacctctgag tggctgtata 300
attgttaatt caaatgaaat tcattttaaac agttgacaaa ctgtcattca acaattagct 360
ccaggaaata acagttattt catcataaaa cagtcacctc aaacacacaa ttgttctgct 420
gaagagttgt catcaacaat ccaatgctca cctattcagt tgctctgtgg tcagtgtggc 480
tgcataacag tggattccat gaaaggagtc attttagtga tgagc 525

```

```

<210> 228
<211> 788
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 42, 44, 48, 49, 51, 52, 53, 54, 55, 57, 59, 61, 62, 63, 64,
68, 69, 70, 71, 73, 74, 75, 76, 77, 79, 80, 83, 87, 89,
92, 93, 94, 95, 97, 98, 107, 112, 113, 117, 122, 125, 127,
130, 131, 133, 671, 677, 685, 706, 713, 718, 725, 757, 771
<223> n = A,T,C or G

```

```

<220>
<221> misc_feature
<222> 783
<223> n = A,T,C or G

```

```

<400> 228
gttcacatag caatttaatc aagtaatcat taattagggg gngngggngng nnnnngngnt 60
nnnngtgngnn ngnnnnngnn ggngtgngng tnnngngngg gaggtgngga anngttnttt 120
tntgngngan nantagaata cacagaatag tgatgaaatt caatttataa aatcacgtta 180
gcctccaaac cattttaattc aaatgaaccc atcaactgga tgccaactct ggccaatgta 240
ggacctctga gtggctgtat aattgttaat tcaaatgaaa ttcatttata cagttgacaa 300
actgtcattc aacaatttagc tccaggaaat aacagttatt tcatcataaa acagtccctt 360
caaacacaca attgttctgc tgaagagttg tcatcaacaa tccaatgctc acctattcag 420
ttgctctgtg gtcagtgtgg ctgcataaca gtggattcca tgaaaggagt catttttagt 480
atgagctgcc agtccattcc caggccaggc tgctcgctggc catccattca gtcgattcag 540
tcataggcga atctgttctg cccgaagctt gtgggtcaagc aaaaattcag ccctgaaaat 600
cagcacatct gttcgggtgga ctaaaccaca gttagttcgt caagcagcaa cccctgtggc 660
atgaccgcca ntgggtncat gcgtntgcac tgggagttgg ccaaantccc ggnggtcncg 720
gggtnttttt tgtgggtttt ttttttttag tcttgtnttt gggttaagtgg nttttttttt 780
tcnttggg 788

```

```

<210> 229
<211> 156
<212> DNA
<213> Homo sapiens

```

```

<400> 229
gccgagggaa gggcccggca gctgaggagc cgctgagctt gctggacgac atgaaccact 60
gctactcccc cctgcgggaa ctggtacctg gagtcccag aggcactcag cttagccagg 120
tggaatccct acagcgcgtc atcgactaca ttctcg 156

```

```

<210> 230
<211> 538
<212> DNA

```

<213> Homo sapiens

<400> 230

```
tacgactcct ataggggaatt tggccctcga ggccaagaat tcggcacgag ggtgactttg 60
gctttgctcg catcatcggc gagaagtcgt tccgccgctc agtgggtgggc acgccggcct 120
acctggcacc cgaggtgctg ctcaaccagg gctacaaccg ctcgctggac atgtggtcag 180
tgggcgtgat catgtacgtc agcctcagcg gcaccttccc tttcaacgag gatgaggaca 240
tcaatgacca gatccagaac gccgccttca tgtaccgggc cagcccttgg agccacatct 300
cagctggagc cattgacctc atcaacaacc tgctgcaggt gaagatgcgc aaacgctaca 360
gcgtggacaa atctctcagc cacccttggg tacaggagta ccagacgtgg ctggacctcc 420
gagagctgga ggggaagatg ggagagcgat acatcacgca tgagagtgcg gacgcgcgct 480
gggagcagtt tgcagcagag catccgctgc ctgggtctgg gctgcccacg gacagggg 538
```

<210> 231

<211> 232

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 18, 56, 94, 103, 117, 128, 145, 184, 204, 219

<223> n = A,T,C or G

<400> 231

```
tggctttgct cgcatacncg gcgagaagtc gtcccgccgc tcagtgggtg gcacgncggc 60
ctacctggca cccgaggtct tgctcaacca gggntacaac cgntcgctcg acatgtngtc 120
agtgggcntg atcatgtacg tcagnctcag cggcaccttc cttttcaacg aggatgagga 180
catnaatgac cagatccaga acgncgactt catgtacncg gccagaccct gg 232
```

<210> 232

<211> 420

<212> DNA

<213> Homo sapiens

<400> 232

```
taccgggtccg gaattcccgg gtcgacccac gcgtccggcg tctctgctcc accaaggtgc 60
cctggacatg ctgaccaagg tgatggccct agagctcggg cccacaaga tccgagtga 120
tgcagtaaac cccacagtgg tgatgacgtc catgggccag gccacctgga gtgaccccca 180
caaggccaag actatgctga accgaatccc acttggcaag tttgctgagg tagagcacgt 240
ggtgaacgcc atcctctttc tgctgagtga ccgaagtggc atgaccacgg gttccacttt 300
gccggtggaa gggggcttct gggcctgctg agtccctcc acacacctca agcccatgc 360
cgtgctcatc ctaccccca tccctccaat aaacctgatt ctgctgcccc aaaaaaaaaa 420
```

<210> 233

<211> 294

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 2, 170

<223> n = A,T,C or G

<400> 233

```
ngtctactg ctccaccaag ggtgccctgg acatgctgac caaggtgatg gccctagagc 60
tcgggcccc caagatccga gtgaatgcag taaacccac agtgggtgat acgtccatgg 120
```

```

gccaggccac ctggagtgac cccacaaagg ccaagactat gctgaaccgn atcccacttg 180
gcaagtttgc tgaggtagag cacgtggtga acgccatcct ctttctgctg agtgaccgaa 240
gtggcatgac cacgggttcc actttgccgg tggaaggggg ttctggggct gctg      294

```

```

<210> 234
<211> 55
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 42
<223> n = A,T,C or G

```

```

<400> 234
gtctcgggcc atgactctgg agatccgaga aggaagaggg tntggcctga gaaag      55

```

```

<210> 235
<211> 394
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 22, 335, 365, 377, 383, 391
<223> n = A,T,C or G

```

```

<400> 235
ttttttgttc atttatatatt tntttaagag ctgtgcccag ttttatcatc tcacaagaat 60
gaagcaaggg acaaaggtaa gtgccacgct ccctggccac tgggttcctg gcaagctccc 120
agccactagg tgccaatctc ctttcaatgt actccttctt cccagagtg cagaagcgta 180
tgaagacagt tatgacatgg acacatgcat gagctattat acataattac aaaagctgat 240
tctgtcatca ccacatcttg tctcatcagt aggagcgaat ggctggcggg acggtggcac 300
agtcagcctt gttcaaagtt ttgtcgatca cgggncctat attccagagt gacctttccc 360
agtgnccaac gttccanata ggncagggtc ntgc      394

```

```

<210> 236
<211> 468
<212> DNA
<213> Homo sapiens

```

```

<400> 236
agctcgggat tcggctcgag gacctggaaa ttccagggtg tgagctgcat cgaagggggag 60
cctgggcccc tcaggagcgt cctcttcaac ccagacggct gctgcctgta cagcggtctgc 120
caggactcac tgcgtgtcta cggctgggaa cctgagcggg gctttgatgt ggtcctcgtc 180
aactggggca aggtggccga cctggccatc tgcaatgacc agttgatagg tgtggccttc 240
tcccagagca acgtctctct ctacgtggtg gatctgacgc gtgtcaccag gactggcacg 300
gtggccccgg accctgtgca ggaccaccgg cccttggcac agccactgcc caaccccgag 360
gccccctcc ggcgcaccta tgagcggccc agcacaacct gcagcaagcc tcagaggggtg 420
aagcagaact cagagagcga gcgccgcacc cccagcagcg aggatgac      468

```

```

<210> 237
<211> 254
<212> DNA
<213> Homo sapiens

```

```

<220>

```



```

<221> misc_feature
<222> 48, 85, 97
<223> n = A,T,C or G

<400> 237
gacctggaga agttccaggt ggtgagctgc atcgaagggg agcctgggcc cgtcaggagc 60
gtcctcttca acccagacgg ctgcngcctg tacagcngct gccaggactc actgcgtgtc 120
tacggctggg aacctgagcg gtgctttgat gtggctcctg tcaactgggg caaggtggcc 180
gacctggcca tctgcaatga ccagttgata ggtgtggcct tctcccagag caacgtctcc 240
tctacgtgg tgga 254

<210> 238
<211> 419
<212> DNA
<213> Homo sapiens

<400> 238
gacccacgcg tccgtcttca acttcttttag tctcctgag attcctatga ttgggaagct 60
ggaaccacga gaagatgcta tcttgatga ggactttgaa attgggcaga ttttacatga 120
taatgtcatc ctgaaatcaa tctattacta tactggagaa gtcaatggta cctactatca 180
at ttggcaaa cattatggaa acaagaaata cagaaaataa gtcaatctga aagatttttc 240
aagaatctta aaatctcaag aagtgaagca gattcataca gccttgaaaa aagtaaaacc 300
ctgacctgta acctgaacac tattattcct tatagtcaag tttttgtggg ttcttggttag 360
tctatatattt aaaaatagtc ctaaaaagtg tctaagtgcc agttttattct atctaggct 419

<210> 239
<211> 228
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 190
<223> n = A,T,C or G

<400> 239
gaaccccgcc cgcggccaca gcgtctgctc cacctccagc ttgtacctgc aggatctgag 60
cgccgcgcgc tcagagtgca tcgacccctc ggtgggtcttc cctaccctc tcaacgacag 120
cagctcgccc aagtctctgcg cctcgcaaga ctccagcgcc ttctctccgt cctcggtatc 180
tctgcaactn tcgacggagt cctccccgca gggcagcccc gagccctc 228

<210> 240
<211> 525
<212> DNA
<213> Homo sapiens

<400> 240
aaccccgccc gcggccacag cgtctgctcc acctccagct tgtacctgca ggatctgagc 60
gccgcgcgct cagagtgcac cgacccctcg gtgggtcttc cctaccctct caacgacagc 120
agctcgccca agtctctgcg ctcgcaagac tccagcgctc tctctccgtc ctcggtattc 180
ctgctctcct cgacggagtc ctccccgcag ggcagccccg agcccctggg gctccatgag 240
gagacaccgc ccaccaccag cagcgactct gaggaggaac aagaagatga ggaagaaatc 300
gatgttggtt ctgtggaaaa gaggcaggct cctggcaaaa ggtcagagtc tggatcacct 360
tctgctggag gccacagcaa acctcctcac agcccactgg tctcaagag gtgccacgtc 420
tccacacatc agcacaacta cgcagcgctc cctccactc ggaaggacta tctgctgcc 480
aagagggtca agttggacag tgtcagagtc ctgagacaga tcagc 525

```

<210> 241
 <211> 552
 <212> DNA
 <213> Homo sapiens

<400> 241
 tggaaggaac tgggtctgctc acacttgctg gcttgcgcat caggactggc tttatctcct 60
 gactcacggt gcaaaggtgc actctgcgaa cgtaaagtcg gtcccagcgc ttggaatcct 120
 acggccccca cagccggatc cctcagcct tccaggctct caactcccgc ggacgctgaa 180
 caatggcctc catggggcta caggtaatgg gcacgcgct ggccgtcctg ggctggctgg 240
 ccgtcatgct gtgctgcgcg ctgcccattg ggcgcgtgac ggccttcacg ggcagcaaca 300
 ttgtcacctc gcagaccatc tgggagggcc tatggatgaa ctgctgggtg cagagcaccg 360
 gccagatgca gtgcaagggtg tacgacttgc tgctggcact gccgcaggac ctgcaggcgg 420
 cccgcgccct cgtcatcatc agcatcatcg tggctgctct gggcgtgctg ctgtccgtgg 480
 tggggggcaa gtgtaccaac tgcttgagg atgaaagcgc caaggccaag accatgatcg 540
 tggcgggcgt gg 552

<210> 242
 <211> 519
 <212> DNA
 <213> Homo sapiens

<400> 242
 tggaaggaac tgggtctgctc acacttgctg gcttgcgcat caggactggc tttatctcct 60
 gactcacggt gcaaaggtgc actctgcgaa cgtaaagtcg gtcccagcgc ttggaatcct 120
 acggccccca cagccggatc cctcagcct tccaggctct caactcccgc ggacgctgaa 180
 caatggcctc catggggcta caggtaatgg gcacgcgct ggccgtcctg ggctggctgg 240
 ccgtcatgct gtgctgcgcg ctgcccattg ggcgcgtgac ggccttcacg ggcagcaaca 300
 ttgtcacctc gcagaccatc tgggagggcc tatggatgaa ctgctgggtg cagagcaccg 360
 gccagatgca gtgcaagggtg tacgacttgc tgctggcact gccgcaggac ctgcaggcgg 420
 cccgcgccct cgtcatcatc agcatcatcg tggctgctct gggcgtgctg ctgtccgtgg 480
 tggggggcaa gtgtaccaac tgcttgagg atgaaagcgc 519

<210> 243
 <211> 296
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 64, 187, 195
 <223> n = A,T,C or G

<400> 243
 aggttctctca tctgctgcgc aggatgcctt ttctcttctg ccttgcgaaa taacagcagc 60
 ctanctgttg cccgtgacca gtgagaaagg cagcgtcacg ggctgattag gtttcaccca 120
 aagggtgccg gcgcgaatt ggtttctaac gagaactttt aaaatgatcc gttccaaaaa 180
 aggggtangag ccgcagacc ctccaactgc ccagagaaaa caagtctcgt ctggcaaaat 240
 tctcggccca cgcgggtccgc ggccaagggg caaaggctct cgccccacgt tgccga 296

<210> 244
 <211> 273
 <212> DNA
 <213> Homo sapiens

<400> 244
 cttgcccatg gcgaattgtg gatgactgtg gtggggcctt tacgatgggt accattgggtg 60

```

gtggtatctt tcaagcaatc aaagggttttc gcaattctcc agtgggagta aaccacagac 120
tacgagggag tttgacagct attaaaacca gggctccaca gttaggaggt agctttgcag 180
tttggggagg gctgttttcc atgattgact gtagtatggg tcaagtcaga ggaaaggaag 240
atccctggaa ctccatcaca agtgggtgct taa 273

```

```

<210> 245
<211> 386
<212> DNA
<213> Homo sapiens

```

```

<400> 245
ttcgaattcg gcacgaggct cgatgtacgt cccggaggac ctcttcccg tctacaaaga 60
aaaagtgggt ccgcttgcag acattatcac gccaaccag tttgaggccg agttactgag 120
tggccggaag atccacagcc aggaggaagc cttgcgggtg atggacatgc tgcactctat 180
gggccccgac accgtgggtc taccagctc cgacctgccc tccccgcagg gcagcaacta 240
cctgattgtg ctggggagtc agaggaggag gaatcccgt ggctccgtgg tgatggaacg 300
catccgatg gacattcgca aagtggacgc cgtctttgtg ggcactgggg acctgtttgc 360
tggcatgctc ctggcgtgga cacaca 386

```

```

<210> 246
<211> 239
<212> DNA
<213> Homo sapiens

```

```

<400> 246
tttttttttt caaaaaagtc atggaggcca tgggggttggc ttgaaaccag ctttgggggg 60
ttcgattcct tcctttttttg cctaaatttt atgtatacgg gttcttcaaa tgtgtggtag 120
ggtggggggc atccatatag tcactccagg tttatggagg gttcttctac tattaggact 180
tttcgcttca aagcgaaggc ttctcaaate atgaaaatta ttaatattac tgctgttaa 239

```

```

<210> 247
<211> 623
<212> DNA
<213> Homo sapiens

```

```

<400> 247
aaaaagtcac ggaggccatg gggttggctt gaaaccagct ttgggggggtt cgattccttc 60
ctttttttgtc tagattttat gtatacgggt tcttcgaatg tgtggtaggg tggggggcat 120
ccatatagtc actccagggt tatggagggt tcttctacta ttaggacttt tcgcttcgaa 180
gcgaaggctt ctcaaatcat gaaaattatt aatattactg ctgttagaga aatgaatgag 240
cctacagatg ataggatggt tcatgtgggt tatgcatcgg ggtagtccga gtaacgtcgg 300
ggcattccgg ataggccgag aaagtgttgt gggaagaaag ttagatttac gccgatgaat 360
atgatagtga aatggatttt ggcgtaggtt tgggtctaggg tgtagcctga gaatagggga 420
aatcagtga tgaagcctcc tatgatggca aatacagctc ctattgatag gacatagtgg 480
aagtgaagta caacgtagta cgtgtcgtgt agtacgatgt ctagtgatga gtttgctaata 540
acaatgccag tcaggccacc tacgggtgaa agaaagatga atcctagggc tcagagcact 600
gcagcagatc atttcatatt gct 623

```

```

<210> 248
<211> 265
<212> DNA
<213> Homo sapiens

```

```

<400> 248
ggcttagcgg ataacaattt cacacaggag ttgcaccata atcatcgcta tccccaccgg 60
cgtcaaagta tttagctgac tcgccacact ccacggaagc aatatgaaat gatctgctgc 120
agtgtcttga gccctaggat tcatctttct tttcaccgta ggtggcctga ctggcattgt 180

```

```

attagcaaac tcatcactag acatcgtact acacgacacg tactacgttg tagctcactt 240
ccactatgtc ctatcaatag gagct 265

```

```

<210> 249
<211> 625
<212> DNA
<213> Homo sapiens

```

```

<400> 249
aatcatcgct atccccaccg gcgtcaaagt atttagctga ctcgccacac tccacggaag 60
caatatgaaa tgatctgctg cagtgtctctg agccctagga ttcattcttc ttttcaccgt 120
aggtggcctg actggcattg tattagcaaa ctcatcacta gacatcgtac tacacgacac 180
gtactacggt gttagctcact tccactatgt cctatcaata ggagctgtat ttgccatcat 240
aggaggcttc attcactgat ttcccctatt ctcaggctac accctagacc aaacctacgc 300
caaaatccat ttcactatca tattcatcgg cgtaaattcta actttcttcc cacaacactt 360
tctcggccta tccggaatgc cccgacgtta ctcggactac cccgatgcat acaccacatg 420
aaacatccta tcattctgtag gtcattcat ttctctaaca gcagtaatat taataatttt 480
catgatttga gaagccttcg cttcgaagcg aaaagtcta atagtagaag aacctccat 540
aaacctggag tgactatatg gatgcccccc accctaccac acattcgaag aacctgtata 600
cataaaatct agacaaaaaa ggaag 625

```

```

<210> 250
<211> 253
<212> DNA
<213> Homo sapiens

```

```

<400> 250
ggcttgtaat acgactcact atagggcttt ttttttttca aaaaagtcac ggaggccatg 60
gggttggcct gaaaccagct ttgggggggt cgattccttc cttttttgtc taaattttat 120
gtatacgggt tcttcaaattg tgtggtaggg tggggggcat ccatatagtc actccagggt 180
tatggagggt tcttctacta ttaggacttt tcgcttcaaa gcgaaggctt ctcaaatcat 240
gaaaattatt aat 253

```

```

<210> 251
<211> 290
<212> DNA
<213> Homo sapiens

```

```

<400> 251
caaactcatc actagacatc gtactacacg acacgtacta cgttgtagct cacttccact 60
atgtcctatc aataggagct gtatttgcca tcataggagg cgtcattcac tgatttcccc 120
tattctcagg ctacacccta gaccaaacct acgccaaaat ccatttcact atcatattca 180
tcggcgtaaa tctaactttc ttcccacaac actttctcgg cctatccgga atgccccgac 240
gttattcgga ctaccccgat gcatacacca catgaaacat cctatcatct 290

```

```

<210> 252
<211> 638
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 522, 634, 636
<223> n = A,T,C or G

```

```

<400> 252
atatttacag taggaataga cgtagacaca cgagcatatt tcacctccgc taccataatc 60

```

atcgctatcc	ccaccggcgt	caaagtat	agctgactcg	ccacactcca	cggaagcaat	120
atgaaatgat	ctgctgcagt	gctctgagcc	ctaggattca	tctttctttt	caccgtaggt	180
ggcctgactg	gcattgtatt	agcaaactca	tcactagaca	tcgtactaca	cgacacgtac	240
tacgttgtag	ctcacttcca	ctatgtccta	tcaataggag	ctgtatttgc	catcatagga	300
ggcttcattc	actgatttcc	cctattctca	ggctacaccc	tagaccaa	ctacgccaaa	360
atccatttca	ctatcatatt	catcggcgta	aatctaactt	tcttcccaca	acactttctc	420
ggcctatccg	gaatgccccg	acgttattcg	gactaccccg	atgcatacac	cacatgaaac	480
atcctatcat	ctgtaggctc	attcatttct	ctaacagcag	tnatattaat	aattttcatg	540
atgtgagaag	ccttcgcttc	gaagcgaaaa	gtcctaatag	tagaagaacc	cttcataaac	600
ctggagtgac	tatatggatg	ccccccaccc	tacnanca			638

<210> 253
 <211> 531
 <212> DNA
 <213> Homo sapiens

<400> 253						
ggcttagcgg	ataacaat	cacacaggag	ttgcaccata	tatttacagt	aggaatagac	60
gtagacacac	gagcatat	cacctccgct	accataatca	tcgctatccc	caccggcgctc	120
aaagtattta	gctgactcgc	cacactccac	ggaagcaata	tgaaatgac	tgctgcagtg	180
ctctgagccc	taggattcat	ctttcttttc	accgtaggtg	gcctgactgg	cattgtatta	240
gcaaactcat	cactagacat	cgtactacac	gacacgtact	acgttgtagc	tcacttccac	300
tatgtcctat	caataggagc	tgtatttggc	atcataggag	gcttcattca	ctgatttccc	360
ctattctcag	gctacaccct	agaccaaacc	tacgccaaaa	tccatttcac	tatcatattc	420
atcggcgtaa	atctaacttt	cttcccacaa	cactttctcg	gcctatccgg	aatgccccga	480
cgttactcgg	actaccccg	tgcatacacc	acatgaaaca	tcctatcatt	t	531

<210> 254
 <211> 625
 <212> DNA
 <213> Homo sapiens

<400> 254						
atatttacag	taggaataga	cgtagacaca	cgagcatatt	tcacctccgc	taccataatc	60
atcgctatcc	ccaccggcgt	caaagtat	agctgactcg	ccacactcca	cggaagcaat	120
atgaaatgat	ctgctgcagt	gctctgagcc	ctaggattca	tctttctttt	caccgtaggt	180
ggcctgactg	gcattgtatt	agcaaactca	tcactagaca	tcgtactaca	cgacacgtac	240
tacgttgtag	ctcacttcca	ctatgtccta	tcaataggag	ctgtatttgc	catcatagga	300
ggcttcattc	actgatttcc	cctattctca	ggctacaccc	tagaccaa	ctacgccaaa	360
atccatttca	ctatcatatt	catcggcgta	aatctaactt	tcttcccaca	acactttctc	420
ggcctatccg	gaatgccccg	acgttactcg	gactaccccg	atgcatacac	cacatgaaac	480
atcctatcat	ctgtaggctc	attcatttct	ctaacagcag	taataattaat	aattttcatg	540
atgtgagaag	tcttcgcttc	gaagcgaaaa	gtcctaatag	tagaagaacc	cttcataaac	600
ctggagtgac	tatatggatg	cccc				625

<210> 255
 <211> 217
 <212> DNA
 <213> Homo sapiens

<400> 255						
tttttttttt	taaaaagtca	tggaggccat	ggggttggct	tgaaaccacc	tttggggggg	60
tcaatccctt	ccttctttgt	ctaaatttta	tgtatacggg	ttcttcaaat	gtgtggtagg	120
ggggggggca	tccatatagc	ccctccaggt	ttatggaggg	ttcttctact	attagaactt	180
ttcccttcaa	agcaaaggct	tctcaaatca	tgaaaat			217

<210> 256

<211> 636
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 496, 562, 564, 605, 635
 <223> n = A,T,C or G

<400> 256
 aaagtcacatgg aggccatggg gttggccttga aaccagcttt gggggggttcg attccttctc 60
 tctttgtcta gattttatgt atacgggttc ttcgaatgtg tggtaggggtg gggggcatcc 120
 atatagtcac tccaggttta tggagggttc ttctactatt aggacttttc gcttcgaagc 180
 gaaggcttct caaatcatga aaattattaa tattactgct gttagagaaa tgaatgagcc 240
 tacagatgat aggatgtttc atgtggtgta tgcacggtgg tagtccgagt aacgtcgggg 300
 cattccggat aggccgagaa agtggttggg gaagaaagt agatttacgc cgatgaatat 360
 gatagtgaat tggatttttg cgtagggttg gtctagggtg tagcctgaga ataggggaaa 420
 tcagtgaatg aagcctccta tgatggcaaa tacagctcct attgatagga catagtggaa 480
 gtgagctaca acgtantacg tgcgtgttag tacgatgtct agtgatgagt ttgctaatac 540
 aatgccagtc aggccaccta cngngaaaaa gaaagatgaa tcctaggggt caaaacacct 600
 gcacnagatc atttcatatt ggcttccgtg gagtnc 636

<210> 257
 <211> 279
 <212> DNA
 <213> Homo sapiens

<400> 257
 ggcttagcgg ataacaatth cacacaggag ttgcaccata atcatcgcta tccccaccgg 60
 cgtcaaagta tttagctgac tcgccacact ccacggaagc aatatgaaat gatctgctgc 120
 agtgctctga gccctaggat tcatctttct tttcacgta ggtggcctga ctggcattgt 180
 attagcaaac tcatcactag acatcgctact acacgacacg tactacgttg tagctcactt 240
 ccactatgtc ctatcaatag gagctgtatt tgccatcat 279

<210> 258
 <211> 623
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 537
 <223> n = A,T,C or G

<400> 258
 aatcatcgct atccccaccg gcgtcaaagt atttagctga ctgcgccacac tccacggaag 60
 caatatgaaa tgatctgctg cagtgtctctg agccctagga ttcacttttc ttttcaccgt 120
 aggtggcctg actggcattg tattagcaaa ctcatcacta gacatcgta tacacgacac 180
 gtactacgtt gtagctcact tccactatgt cctatcaata ggagctgtat ttgccatcat 240
 aggaggcttc attcactgat ttcccctatt ctcaggctac accctagacc aaacctacgc 300
 caaaatccat ttcactatca tattcatcgg cgtaaactcta actttcttcc cacaacactt 360
 tctcggccta tccggaatgc cccgacgtta ctcggaactac cccgatgcac acaccacatg 420
 aaacatccta tcatctgtag gtcattcat ttctctaaca gcagtaatat taataatatt 480
 catgatttga gaagccttcg cttcgaagcg aaaagtcta atagtagaag aacctnecat 540
 aaacctggag tgactatatg gatgcccccc accctaccac acattcgaag aacctgtata 600
 cataaaatct agacaaaaaa gga 623

<210> 259
 <211> 189
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 170, 173
 <223> n = A,T,C or G

<400> 259
 tggcctttcc cccttcatgg gagacaacga taacgaaacc ttggccaacg ttacctcagc 60
 cacctgggac ttcgacgacg aggcattcga tgagatctcc gacgatgccg aggatttcat 120
 cagcaatctg ctgaagaaag atatgaaaaa ccgcctggac tgcacgcagn ctntcagcat 180
 ccatggcta 189

<210> 260
 <211> 507
 <212> DNA
 <213> Homo sapiens

<400> 260
 cctttccccc ttcattgggag acaacgataa cgaaaccttg gccaacgtta cctcagccac 60
 ctgggacttc gacgacgagg cattcgatga gatctccgac gatgccaaagg atttcatcag 120
 caatctgctg aagaaagata tgaaaaaccg cctggactgc acgcagtgcc ttcagcatcc 180
 atggctaatt aaagatacca agaacatgga ggccaagaaa ctctccaagg accggatgaa 240
 gaagtacatg gcaagaagga aatggcagaa aacgggcaat gctgtgagag ccattggaag 300
 actgtcctct atggcaatga tctcagggct cagtggcagg aaatcctcaa cagggtcacc 360
 aaccagcccg ctcaatgcag aaaaactaga atctgaagaa gatgtgtccc aagctttcct 420
 tgaggctgtt gctgaggaaa agcctcatgt aaaaccctat ttctctaaga ccattcgcca 480
 tttagaagtt gtggagggaa gtgctgc 507

<210> 261
 <211> 193
 <212> DNA
 <213> Homo sapiens

<400> 261
 tttttttttt tttttttttt ttttttggcc gagactccaa gactattatt tttatttccg 60
 gacaaaaaca tctgcttcac acagtgcacg gcatcaaatg aagaggaaag aacttgtatc 120
 ccaaagcctg gctttctgta tcatccacaa attaagacag catctgctga gcccatgctg 180
 agcctgtcac agt 193

<210> 262
 <211> 235
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 183, 184, 185, 193
 <223> n = A,T,C or G

<400> 262
 ccacttccc caggagcagg ccacagaccc ccttgtggac agcctgggca gtggcattgt 60
 ctactcagcc cttacctgcc acctgtgcgg ccacctgaaa cagtgtcatg gccaggagga 120
 tgggtggccag acccctgtca tggccagtcc ttgctgtggc tgctgctgtg gagacaggtc 180

ctnnnnccct acnccccccc tgagggcccc agaccctctt ccaggtgggg ttcca 235

<210> 263
<211> 493
<212> DNA
<213> Homo sapiens

<400> 263
agaatttcag cagttctctg atttttatat tttattcctc ttcctatcca atccctgcct 60
tttgagtcca ggtggttaagt acattttctt taacgttttt cctgcttttc tccccaaatg 120
tgtctttttc tttgggctac tgtaccctgc ttccagtgtc gtccccggca taggtccatc 180
tctgcagaag ccatttcagg agtacctgga ggctcaacgg cagaagcttc accacaaaag 240
cgaaatgggc acaccacagg gagaaaactg cttgtcctgg atgtttgaaa agtcggtcga 300
tgtcatggtg tgttacttca tcctatctat cattaactcc atggcacaaa gttatgccaa 360
acgaatccag cagcgggttga actcagagga gaaaactaaa taagtagaga aagttttaaa 420
ctgcagaaat tggagtggat gggttctgcc ttatatggg aggactccaa gccgggaagg 480
aaaattccct ttt 493

<210> 264
<211> 345
<212> DNA
<213> Homo sapiens

<400> 264
agaatttcag cagttctctg atttttatat tttattcctc ttcctatcca atccctgcct 60
tttgagtcca ggtggttaagt acattttctt taacgttttt cctgcttttc tccccaaatg 120
tgtctttttc tttgggctac tgtaccctgc ttccagtgtc gtccccggca taggtccatc 180
tctgcagaag ccatttcagg agtacctgga ggctcaacgg cagaagcttc accacaaaag 240
cgaaatgggc acaccacagg gagaaaactg gttgtcctgg atgtttgaaa agtcggtcgt 300
tgtcatggtg tgttacttca tcctatctat cattaactcc atggt 345

<210> 265
<211> 374
<212> DNA
<213> Homo sapiens

<400> 265
tagaagagct aacctcacac tcatccact ctaaactatg tgattcaaca ctgattttac 60
atccaacaaa gtgaaatctt gatagttggg tgtaaaaagg agagtaatgg agatttcaga 120
gtagttgggg ttgcttactt ttcatTTTTA attctttagg ttttgtaagt tacacacttc 180
aagcattata gatgacctc tttttactac tgaactaatg aagccttttt cattgcattg 240
ttctgcattt atttctacag ggagaaaact ggttgtcctg gatgtttgaa aagttgggtc 300
ttgtcatggt gtgttacttc atcctatcta tcattaactc catggcacaa agttatgcca 360
aacgaatcca gcag 374

<210> 266
<211> 360
<212> DNA
<213> Homo sapiens

<400> 266
tttttttttt tttttttttg tgcgggtggga attctctaatt tgtatcatgt gggcctttttg 60
aaagtaacaa acagaaggcc agtctgctgc aagtttgctg ctgaacatca cattccaccc 120
taagaaaaca caaggtggat tgcacgagg gtggatacct taccttagca cggaaggaaa 180
aagtatgtca gtgcaaagta tggactaaac tgcttttcagg aaaaaagttg taaaaattga 240
tacaggttgg aaaagggaat tttccttccc ggcttgagg cctcccaatt taaggcagaa 300
cccatccact ccaattttctg cagtttaaaa ctttctctac ttatttagtt ttctcctctg 360

<210> 267
 <211> 247
 <212> DNA
 <213> Homo sapiens

<400> 267
 ctggaattgt catcttttga acagtgattg caacagcact tatgggattg acagagaaac 60
 tgattttttc cctgagagat cctgcataca gtacattccc gccagaaggt gttttcgtaa 120
 atacgcttgg ccttctgata ctggtgttcg gggccctcat tttttggata gtcaccagac 180
 cgcaatggaa acgtcctaag gagccaaatt ctaccattct tcatccaaat ggaggcatga 240
 acaggga 247

<210> 268
 <211> 350
 <212> DNA
 <213> Homo sapiens

<400> 268
 taatggattt gtttggagat ggcattgttg tagacgactg aatatggaaa ggatatcaag 60
 ttatctatct tgttaatttt atttttgttt ttatcatct agatttttat catggattag 120
 tctgaaatct aaagtctctg ccagtcggtt ttctttcatc ttgtagtttt tacagtatct 180
 ccaactgtgca tatgcaaaat ggggtattaca taactgtatc atatttggtt ttgataatct 240
 tttttttttt ttggaaacgg gtttttgttt tggcccagcc caaaaacatc ccttggttac 300
 cccttcgggg gaaaaaaaaa caaacccctt tttcggggaa aaaaaaaggg 350

<210> 269
 <211> 455
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 81, 195, 231, 247, 298, 307, 317, 395, 427, 446, 451
 <223> n = A,T,C or G

<400> 269
 ttttttttaa atcaaagagt agttttattaa aaaaggaatc aaacaggaaa ctctaagtac 60
 cagtgtgtac attgtacaat nttaaagtac tcacgagaat gaagtttttt tcaaataatat 120
 taagatcaca ccaccttggt gtttatcgaa agatattcaa ggagaaagat ctgactctcc 180
 aaactgcata tgagnattgc cacttttaaac aggacctcat ttcaaacatg ncaacaacgc 240
 cactggntaa taaaggcttt gggaatgggg tgctcattct attatttcac taaaaacngc 300
 atagganagg caggagnagt tggggaatct attctaaaaat aggaatggga ggggtgtcca 360
 tctacagcag gcactccttc acttcctctg tttgnccttt ttaggcagta ctccttggtc 420
 ggtcttngaa cggttttcca accctnttca ntggg 455

<210> 270
 <211> 444
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 17, 20, 391, 430
 <223> n = A,T,C or G

<400> 270
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 ttttagagtat gtgcatgtta cgtaatacct gtttctgggc aatgctgctt cttctgactc 120
 aacaaatggg gagagcaaatt tgaaaatgcg taaattggaa ggcaagttct gaaattaaac 180
 gttgtacttt ggcctgatgt tctgaccttt aaggaagcaa gagtttgtaa acttccaaat 240
 atttactatt ctgaactgcc gtgtaaacct gacgtattcc caagtcaaca taccagtata 300
 ccaataggat gtgaataatg tttgtgttga gtttaaaacc atagcagttt tgctctggca 360
 agtaatggaa agcgttctcg cttcctgagt ntgagctcca gcagactgca gagtggccag 420
 tgccacagtn gtagcctgac tttc 444

<210> 271
 <211> 502
 <212> DNA
 <213> Homo sapiens

<400> 271
 ggttctgcgc tggtcggcgg agtagcaagt ggccatgggg agcctcagcg gtctgcgcct 60
 ggcagcagga agctgtttta ggttatgtga aagagatgtt tcctcatctc taaggcttac 120
 cagaagctct gatttgaaga gaataaatgg attttgcaca aaaccacagg aaagtcccg 180
 agctccatcc cgcacttaca acagagtgcc ttacacaaa cctacggatt ggcagaaaaa 240
 gatcctcata tggtcaggtc gcttcaaaaa ggaaggtgaa atcccagaga ctgtctcggt 300
 ggagatgctt gatgctgcaa agaacaagat gcgagtgaag atcagctatc taatgattgc 360
 cctgacgggtg gtaggatgca tcttcatggt tattgagggc aagaaggctg cccaaagaca 420
 cgagacttta acaagcttga acttagaaaa gaaagctcgt ctgaaagagg aagcagctat 480
 gaaggccaaa acagagtagc ag 502

<210> 272
 <211> 377
 <212> DNA
 <213> Homo sapiens

<400> 272
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 ggcagcagga agctgtttta ggttatgtga aagagatgtt tcctcatctc taaggcttac 120
 cagaagctct gatttgaaga gaataaatgg attttgcaca aaaccacagg aaagtcccg 180
 agctccatcc cgcacttaca acagagtgcc ttacacaaa cctacggatt ggcagaaaaa 240
 gatcctcata tggtcaggtc gcttcaaaaa ggaaggtgaa atcccagaga ctgtctcggt 300
 ggagatgctt gatgctgcaa agaacaagat gcgagtgaag atcagctatc taatgattgc 360
 cctgacgggtg gtaggaa 377

<210> 273
 <211> 552
 <212> DNA
 <213> Homo sapiens

<400> 273
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 agtccccact ccagcgtgca gctgcggctt atctctcagc ccagcagat gccagccttc 120
 ctgtcccggg ccagcgtctc gacatgcaga aggtgacctt gggcctgctt gtgttcctgg 180
 caggctttcc tgtcctggac gccaatgacc tagaagataa aaacagtcct ttctactatg 240
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 tcatcatcgt catgagtgca aaatgcaaat gcaagtttgg ccagaagtcc ggtcaccatc 360
 caggggagac tccacctctc atcacccag gctcagccca aagctgatga ggacagacca 420
 gctgaaattg ggtggaggac cgttctctgt ccccaggctc tgtctctgca cagaaacttg 480
 aactccagga tgggaattctt cctcctctgc tgggactcct ttgcatggca gggcctcatc 540
 tcacctctcg ca 552

<210> 274
 <211> 186
 <212> DNA
 <213> Homo sapiens

<400> 274
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 ggcttatctc tcagcccagc gagatgccag ccttctctgc ccgggccagc gctctgacat 120
 gcagaagggtg accctgggcc tgcttgtgtt cctggcaggc tttctctgtc tggacgccaa 180
 tgacct 186

<210> 275
 <211> 121
 <212> DNA
 <213> Homo sapiens

<400> 275
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 agctgcggct tatctctcag cccagcgaga tgccagcctt cctgtcccgg gccagcgctc 120
 t 121

<210> 276
 <211> 336
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 336
 <223> n = A,T,C or G

<400> 276
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 tttctgctcc ttggtcctga gtgtcagcag ccgaagcttc ttttcgctcc ttggcgaggc 120
 ttttgatggg gctcgggaca tgtggagagc ctactctgac atgagagaag ccaattacat 180
 cggctcagac aaatacttcc atgctcgggg gaactatgat gctgccaaaa ggggacctgg 240
 gggtgcttgg gccgcagaag tgatcagcaa tgccagagag aatatccaga gactcacagg 300
 ccatggtgcg gaggactcgc tggccgatca ggctgn 336

<210> 277
 <211> 460
 <212> DNA
 <213> Homo sapiens

<400> 277
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 ccacagatgg cccagaggtg gtggtagtca ggggtgtgtg gtgttttttag ggttcttttag 120
 tgttggtttct ttcacccagg ggtggtggtc ccagccagtt tgggtgctgac ggtgagagga 180
 aattagaatc tgtttgcaaa ttgtccaacc caccctctca acatgagggg cttccatttt 240
 ctgtgttttg taagggaact gtttccttca tgccgccatg ttcctgatat tagttctgat 300
 ttcttttttaa caaatgttat catgattaag aaaatttcca gcactttaat ggccaattaa 360
 ctgagaatgt aagaaaattg atgctgtaca aggcaaataa agctgtttat taaccttgaa 420
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa ttttttgggg 460

<210> 278
 <211> 432
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 46, 151, 350, 362, 383, 403, 417

<223> n = A,T,C or G

<400> 278

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aacgcccaca gatggcccag aggtggtggt agtcaggggtg tgtgggtggt tttaggggtc 120
tttagtggtt tttctttcac ccaggggttg ntgggtcccag ccagtttggt gctgacgggtg 180
agaggaaatt agaattctgt tgcaaattgt ccaaccacc cctcaacat gaggggcttc 240
cattttctgt gttttgtaag ggaactgttt ccttcattgcc gccatgttcc tgatattagt 300
tctgatttct ttttaacaaa tgttatcatg attaagaaaa tttccagcan ttaatgggcc 360
anttaactga gaatgtaaga aantgatgct gttacaaggc aantaaagcc gttttantta 420
accctgaaaa aa 432
```

<210> 279

<211> 467

<212> DNA

<213> Homo sapiens

<400> 279

```
acgtgacgcg gggccaggcg gccgtacagc agctgcaggc ggagggcctg agcccgcgct 60
tccaccagct ggacatcgac gatctgcaga gcatccgcgc cctgcgcgac ttcctgcgca 120
aggagtacgg gggcctggac gtgctggtca acaacacggg catcgcttc aaggttgctg 180
atcccacacc ctttcatatt caagctgaag tgacgatgaa aacaaatttc tctggtaccc 240
gagatgtgtg cacagaatta ctccctctaa taaaacccca agggagagtgt gtgaacgtac 300
ctagcatcat gagegtcaga gcccttaaaa gctgcagccc agagctgcag cagaagttcc 360
gcagtgcagc catcactgag gaggagctgg tggggctcat gaacaagttt gtggaggata 420
caaagaaggg agtgcaccag aaggagggct ggcccagcag cgcatac 467
```

<210> 280

<211> 626

<212> DNA

<213> Homo sapiens

<400> 280

```
tacggccggg acgtgacgcg gggccaggcg gccgtacagc agctgcaggc ggagggcctg 60
agcccgcgct tccaccagct ggacatcgac gatctgcaga gcatccgcgc cctgcgcgac 120
ttcctgcgca aggagtacgg gggcctggac gtgctggtca acaacacggg catcgcttc 180
aaggttgctg atcccacacc ctttcatatt caagctgaag tgacgatgaa aacaaatttc 240
tctggtaccc gagatgtgtg cacagaatta ctccctctaa taaaacccca agggagagtgt 300
gtgaacgtac ctagcatcat gagegtcaga gcccttaaaa gctgcagccc agagctgcag 360
cagaagttcc gcagtgcagc catcactgag gaggagctgg tggggctcat gaacaagttt 420
gtggaggata caaagaaggg agtgcaccag aaggagggct ggcccagcag cgcatacggg 480
gtgacgaaga ttggcgtcac cgttctgtcc aggatccacg ccaggaaact gactgagcag 540
aggaaagggg acaagatcct cctgaatgcc tgctgccag ggtgggtgag aactgacatg 600
gcgggaccca aggccaccaa gagccc 626
```

<210> 281

<211> 487

<212> DNA

<213> Homo sapiens

<400> 281

```
tggcctgttc ctacgcgagg gcctgaagct agtggataag tttttggagg atgttaaaaa 60
```

gttgtaccac	tcagaagcct	tcaactgtcaa	cttcgggggac	accgaagagg	ccaagaaaca	120
gatcaacgat	tacgtggaga	aggggtactca	agggaaaatt	gtggatttgg	tcaaggagct	180
tgacagagac	acagtttttg	ccctgggtgaa	ttacatcttc	tttaaaggca	aatgggagag	240
accctttgaa	gtcaaggaca	ccgaggaaga	ggacttccac	gtggaccagg	cgaccaccgt	300
gaaggtgcct	atgatgaagc	gtttaggcat	gtttaacatc	cagcactgta	agaagctgtc	360
cagctgggtg	ctgctgatga	aatacctggg	caatgccacc	gccatcttct	tcctgcctga	420
tgaggggaaa	ctacagcacc	tggaatatga	actcaccac	gatatcatca	ccaagttcct	480
ggaaaaat						487

<210> 282
 <211> 345
 <212> DNA
 <213> Homo sapiens

<400> 282						
tggcctgttc	ctcagcgagg	gcctgaagct	agtggataag	tttttggagg	atgttaaaaa	60
gttgtaccac	tcagaagcct	tcaactgtcaa	cttcgggggac	accgaagagg	ccaagaaaca	120
gatcaacgat	tacgtggaga	aggggtactca	agggaaaatt	gtggatttgg	tcaaggagct	180
tgacagagac	acagtttttg	ccctgggtgaa	ttacatcttc	tttaaaggca	aatgggagag	240
accctttgaa	gtcaaggaca	ccgaggaaga	ggacttccac	gtggaccagg	cgaccaccgt	300
gaaggtgcct	atgatgaagc	gtttaggcat	gtttaacatc	cagca		345

<210> 283
 <211> 495
 <212> DNA
 <213> Homo sapiens

<400> 283						
cggcgcgcct	tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	60
tttttttttt	aaaaaaaaat	ttttttgggt	tttttttttt	aaaacttttt	tttttttttt	120
ttttgggggg	ggccaaattc	ccccccaaaa	aaaaaaaaaa	aggggggggt	ttcccccccc	180
cccccttttt	tttttggggg	ggtttttttt	tttggggggg	gcccccccc	cctttttttt	240
tttttggaaa	aaaatcccc	ccttgggggg	ggtttctttt	tcccaaagg	agtttttttt	300
cccccccccc	cggggggggg	ggggggtttt	ttttttttta	aaaaaaaaaac	ccccggaaaa	360
aaaaaaaaacc	cccccccccc	cccccccccc	aaaaaaaaaa	aaggggggaa	aaatgggggc	420
cccccttttt	tttttttttt	tttttttggg	gggggggaaa	aaaaaccccc	cccccttttt	480
tggggggggt	ttttt					495

<210> 284
 <211> 503
 <212> DNA
 <213> Homo sapiens

<400> 284						
attccgttgc	tgtcgagcat	gaccaagcag	ctgggtgact	tctggacacg	gatggaggag	60
ctccgccacc	aagcccggca	gcagggggca	gaggcagtc	agggccagca	gcttgcgga	120
ggtgccagcg	agcaggcatt	gagtgcccaa	gagggatttg	agagaataaa	acaaaagtat	180
gctgagttga	aggaccggtt	gggtcagagt	tccatgctgg	gtgagcaggg	tgcccggatc	240
cagagtgtga	agacagaggg	agaggagctg	tttggggaga	ccatggagat	gatggacagg	300
atgaaagaca	tggagttgga	gctgctgcgg	ggcagccagg	ccatcatgct	gcgctcagcg	360
gacctgacag	gactggagaa	gcgtgtggag	cagatccgtg	accacatcaa	tgggcgcgtg	420
ctctactatg	ccacctgcaa	gtgatgctac	agcttccagc	ccgttgcccc	actcatctgc	480
cgcctttgct	tttggttggg	ggc				503

<210> 285
 <211> 581
 <212> DNA

<213> Homo sapiens

<400> 285

```
agtggcactg caggaagctc aggacacccat gcaaggcacc agccgctccc ttcggcttat 60
ccaggacagg gttgctgagg ttcagcaggt actgcggcca gcagaaaagc tggtgacaag 120
catgaccaag cagctgggtg acttctggac acggatggag gagctccgcc accaagcccc 180
gcagcagggg gcagaggcag tccaggccca gcagcttgcg gaagggtgcca gcgagcaggc 240
attgagtgcc caagagggat ttgagagaat aaaacaaaag tatgctgagt tgaaggaccg 300
gttgggtcag agttccatgc tgggtgagca ggggtgcccgg atccagagtg tgaagacaga 360
ggcagaggag ctgtttgggg agaccatgga gatgatggac aggatgaaag acatggagtt 420
ggagctgctg cggggcagcc aggccatcat gctgcgctca gcggacctga caggactgga 480
gaagcgtgtg gagcagatcc gtgaccacat caatgggcgc gtgctctact atgccacctg 540
caagtgatgc tacagcttcc agcccgttgc cccactcatc t 581
```

<210> 286

<211> 598

<212> DNA

<213> Homo sapiens

<400> 286

```
agtggcactg caggaagctc aggacacccat gcaaggcacc agccgctccc ttcggcttat 60
ccaggacagg gttgctgagg ttcagcaggt actgcggcca gcagaaaagc tggtgacaag 120
catgaccaag cagctgggtg acttctggac acggatggag gagctccgcc accaagcccc 180
gcagcagggg gcagaggcag tccaggccca gcagcttgcg gaagggtgcca gcgagcaggc 240
attgagtgcc caagagggat ttgagagaat aaaacaaaag tatgctgagt tgaaggaccg 300
gttgggtcag agttccatgc tgggtgagca ggggtgcccgg atccagagtg tgaagacaga 360
ggcagaggag ctgtttgggg agaccatgga gatgatggac aggatgaaag acatggagtt 420
ggagctgctg cggggcagcc aggccatcat gctgcgctca gcggacctga caggactgga 480
gaagcgtgtg gagcagatcc gtgaccacat caatgggcgc gtgctctact atgccacctg 540
caagtgatgc tacagcttcc agcccgttgc cccactcatc tgccgccttt gcttttgg 598
```

<210> 287

<211> 316

<212> DNA

<213> Homo sapiens

<400> 287

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ctgcccttca cctcgcagtg gacctgcaaa atcctgacct ggtgtcactc ctgttgaagt 60
gtggggctga tgtcaacaga gttacctacc agggctattc tccctaccag ctcacctggg 120
gccgccaag caccgcgata cagcagcagc tgggccagct gacactagaa aaccttcaga 180
tgctgccaga gagtgaggat gaggagagct atgacacaga gtcagagttc acggagttca 240
cagaggacga gctgccctat gatgactgtg tgtttggagg ccagcgtctg acgttatgag 300
cgcaaagggg ctgaaa 316
```

<210> 288

<211> 275

<212> DNA

<213> Homo sapiens

<400> 288

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atgattagga gaagtgggtg ccacagtcca aaaatcccaa ggcccaaacc tgcaccactg 60
actgctgaaa tacagcaaaa gattttgcat ttgccaacat cttgggactg gagaaatgtt 120
catggtatca attttgtcag tctgttcca aaccaagcat cctgtggcag ctgctactca 180
tttgcttcta tgggtatgct agaagcgaga atccgtatac taaccaacaa ttctcagacc 240
ccaatcctaa gccctcagga ggttgtgtct tgtag 275
```

<210> 289

<211> 522
 <212> DNA
 <213> Homo sapiens

<400> 289
 cagaagggaa caccagagct ttgctaataa ttagtgtggt caagagccgt ctgagcctaa 60
 tgagtcccag ctgcattagg ttaagagact cttccagagc catcgccagg tcgggaatgg 120
 cacctctccc taggatacac agcctgcagg tccccaggac ctggatgaca cccgcctcac 180
 tgtggcagtg tattgcctgt taattgctgc taattctaata tctgatgatg actcctactc 240
 cattgtttac cccaaagcat cagctaggct ggagtgattt gttacaaatg agcaaaagat 300
 gagtccctgc ttccctcaga aataaaagga gctcagctgc agcgttgcat tgggcttctt 360
 ggccctccaa ctcttccac tcccagaatc cagaagtaag ctctgcatgt tcccccttct 420
 gggaggaaac cagttgtcag aaggatgtat gatgaccccc tccccctcca tccctcacct 480
 cctaagcagt cctggccttt cctcatcact cccctctaca gt 522

<210> 290
 <211> 331
 <212> DNA
 <213> Homo sapiens

<400> 290
 aacaccagag ctttgctaata aattagtggt gtcaagagcc gtctgagcct aatgagctccc 60
 agctgcatta ggttaagaga ctcttccaga gccatcgcca ggtcttgaat ggcacctctc 120
 cctaggatac acagcctgca ggtccccagg acctggatga caccgcctc actgtggcag 180
 tgtattgcct gttaattgct gctaattcta attctgatga tgactcctac tccattgttt 240
 accccaaagc atcagctagg ctggagtgat ttgttacaaa tgagcaaaag atgagtcctt 300
 gcttcctca gaaataaaaag gagctcagct g 331

<210> 291
 <211> 228
 <212> DNA
 <213> Homo sapiens

<400> 291
 gagatgcaaa gcaggattca aaagaacatc tttgcgtttt ctaccggctc cccatcatcg 60
 tactagggag gaagaagcgg gtgagaaaca aaacttcttt ccattgtcct gcccgtttct 120
 gcggacttgt tctgaggccg aggcacctct aagatactga tggctctgca gaggacccat 180
 tcattgcttc tgcttttgct gctgaccctg ctggggctgg ggctggctc 228

<210> 292
 <211> 342
 <212> DNA
 <213> Homo sapiens

<400> 292
 ggagctgtcc tgcaccgtgg tggagctgaa gtacacaggc aatgccagcg cactcttcat 60
 cctccctgat caagacaaga tggaggaagt ggaagccatg ctgctcccag agaccctgaa 120
 gcggtggaga gactctctgg agttcagaga gataggtgag ctctacctgc caaagttttc 180
 catctcgagg gactataacc tgaacgacat acttctccag ctgggcattg aggaagcctt 240
 caccagcaag gctgacctgt cagggatcac aggggcccagg aaccctacag tctcccagg 300
 ggtccataag gctgtgcttg atgtatttga ggagggcaca ga 342

<210> 293
 <211> 311
 <212> DNA
 <213> Homo sapiens

<400> 293
ggagctgtcc tgcaccgtgg tggagctgaa gtacacaggc aatgccagcg cactcttcat 60
cctccctgat caagacaaga tggaggaagt ggaagccatg ctgctcccag agaccctgaa 120
gcggtggaga gactctctgg agttcacaga gataggtgag ctctacctgc caaagttttc 180
catctcgagg gactataacc tgaacgacat acttctccag ctgggcattg aggaagcctt 240
caccagcaag gctgacctgt cagggatcac aggggccagg aacctagcag tctcccaggt 300
ggtccataag g 311

<210> 294
<211> 402
<212> DNA
<213> Homo sapiens

<400> 294
cggctgcgag aagacgacag aaggggaagat ggaggaagtg gaagccatgc tgctcccaga 60
gaccctgaag cgggtggagag actctctgga gttagagag ataggtgagc tctacctgcc 120
aaagttttcc atctcgaggg actataacct gaacgacgac ttctccagct gggcattgag 180
gaagccttca ccagcaaggc tgacctgtca gggatcacag gggccaggaa cctagcagtc 240
tcccagggtgg tccataaggc tgtgcttgat gtatttgagg agggcacaga agcatctgct 300
gccacagcag tcaaaatcac cctcctttct gcattagtgg agacaaggac cattgtgcgt 360
ttcaacaggc ccttctctgat gatcattgtg cctacagaca cc 402

<210> 295
<211> 232
<212> DNA
<213> Homo sapiens

<400> 295
ttccatctcg agggactata acctgaacga cgacttctcc agctgggcat tgaggaagcc 60
ttcaccagca aggctgacct gtcagggatc acaggggcca ggaacctagc agtctcccag 120
gtggtccata aggctgtgct tgatgtattt gaggagggca cagaagcatc tgctgccaca 180
gcagtcaaaa tcaccctcct ttctgcatta gtggagacaa ggaccattgt gc 232

<210> 296
<211> 435
<212> DNA
<213> Homo sapiens

<400> 296
tgactctgac ttctgaggaa gagggccggt tgaagaagag tgcacatcac tttgggggat 60
ccaaaaggag ctgcaatttt aaagtcttct gatgtcatat catttactg tctaggctac 120
aacaggattc taggtggagg ttgtgcatgt tgtccttttt atctgatctg cgattaaagc 180
agtaatatat taagatggac tgggaaaaac atcaactcct gaagttagaa ataagaatgg 240
tttgtaaaat ccacagctat atcctgatgc tggatggtat taatcttgtg tagtcttcaa 300
ctggttagtg tgaaatagtt ctgccacctc tgacgcacca ctgccaatgc tgtacgtact 360
gcatttgccc cttgagccag gtggatgttt accgtgtgtt atataactta ctggctcctt 420
cactgaacat gccta 435

<210> 297
<211> 309
<212> DNA
<213> Homo sapiens

<400> 297
atcatttcac tgtctaggct acaacaggat tctaagggga cgttgtgcat gttggccttt 60
gtatctgac tgtgattaaa gcagtaatat tttaagatgg actgggaaaa acatcaactc 120
ctgaagttag aaataagaat ggtttgtaaa atccacagct gtatgctgaa gctggatgg 180


```

attaatcttg  cgtagtcttc  aactgggttag  gtgaaatagt  tctgccacct  ctgacgcacc  240
actgccaatg  ctgtacgtac  tggatttggc  ccttgagcca  ggtggatgtt  caccgggcgt  300
gatataact                                     309

```

```

<210> 298
<211> 342
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 342
<223> n = A,T,C or G

```

```

<400> 298
atcatttgac  tgtctaggct  acaacaggat  tctagggtgga  ggttgtgcat  gttgtccttt  60
ttatctgac  tgtgattaaa  gcagtaatat  tttaacatgg  actgggaaaa  acatcaactc  120
ctgaagttag  aaataagaat  ggtttgtaaa  atccacagct  atatcctgat  gctggatggg  180
attaatcttg  tgtagtcttc  aactgggttag  ttgaaatagt  tctgccacct  ctgacgcacc  240
actgccaatg  ctgtacgtac  tgcatttgcc  ccttgagcca  ggtggatgtt  taccgtgtgt  300
tatataactt  cctggctcct  tcaactgaaca  tgcctagtcc  an                                     342

```

```

<210> 299
<211> 266
<212> DNA
<213> Homo sapiens

```

```

<400> 299
gggacagaat  ggctatctcg  gaccttgtga  aggtgactct  gacttctgag  gaagacgccc  60
gcttgaagaa  gagagcccat  acactttggg  ggatccaaaa  cgagctgcga  ttttcaagtc  120
ttctgatgtc  atatcattcc  actgtctagg  ctacaacagg  attctagggg  gacgttgtgc  180
atggtggcct  ttttatctga  tctgtgacta  aagcactaat  attttaagat  ggactgggaa  240
aaacatcaac  tcctgaagtt  agaaat                                     266

```

```

<210> 300
<211> 383
<212> DNA
<213> Homo sapiens

```

```

<400> 300
ggacagaatg  gaatctcaga  ccttgtgaag  gtgactctga  cttctgagga  agaggcccgt  60
ttgaagaaga  gtgcagatac  actttggggg  atccaaaagg  agctgcaatt  ttaaagtctt  120
ctgatgtcat  atcatttcac  tgtctaggct  acaacaggat  tctagggtgga  ggttgtgcat  180
gttgaccttt  ttatctgac  tgtgattaaa  gcagtaatat  tttaagatgg  actgggaaaa  240
acatcaactc  ctgaagttag  aaataagaat  ggtttgtaaa  atccacagct  atatcctgat  300
gctggatggg  attaatcttg  tgtagtcttc  aactgggttag  tgtgaaatag  ttctgccacc  360
tctgacgcac  cactgccaat  gct                                     383

```

```

<210> 301
<211> 453
<212> DNA
<213> Homo sapiens

```

```

<400> 301
aaccgcttct  ccgttgaaca  acatactaga  tggggacaga  atggaatctc  agaccttgtg  60
aagggtgactc  tgacttctga  ggaagaggcc  cgtttgaaga  agagtgcaga  tacactttgg  120
gggatccaaa  aggagctgca  attttaaagt  cttctgatgt  catatcattt  cactgtctag  180

```

```

gctacaacag gattctaggt ggaggttgtg catgttgtcc tttttatctg atctgtgatt 240
aaagcagtaa ttttttaaga tggactggga aaaacatcaa ctctgaagt tagaaataag 300
aatggtttgt aaaatccaca gctatatact gatgctggat ggtattaatc ttgtgtagtc 360
ttcaactggt tagtgtgaaa tagttctgcc acctctgacg caccactgcc aatgctgtac 420
gtactgcatt tgccccttga gccaggtgga tgt
453

```

```

<210> 302
<211> 383
<212> DNA
<213> Homo sapiens

```

```

<400> 302
ggacagaatg gaatctcaga ccttgtgaag gtgactctga cttctgagga agaggcccgt 60
ttgaagaaga gtgcagatac actttggggg atccaaaagg agctgcaatt ttaaagtctt 120
ctgatgtcat atcatttcac tgtctaggct acaacaggat tctagggtgga ggttgtgcat 180
gttgaccttt ttatctgata tgtgattaaa gcagtaatat tttaagatgg actgggaaaa 240
acatcaactc ctgaagttag aaataagaat ggtttgtaaa atccacagct atatactgat 300
gctggatggg attaatcttg tgtagtcttc aactgggttag tgtgaaatag ttctgccacc 360
tctgacgcac cactgccaat gct
383

```

```

<210> 303
<211> 97
<212> DNA
<213> Homo sapiens

```

```

<400> 303
gttgcccttg agatgatcaa agtaactggt ggctatccat ttgaagctta caaaaattgt 60
tttcttaact tagccattcc aattgtagta ttacag
97

```

```

<210> 304
<211> 442
<212> DNA
<213> Homo sapiens

```

```

<400> 304
gccctagtta ttataccata ttacatcatt actctatgta attatctatg aagctatgta 60
gttattttacc cctgtattaa gtgatttttag actgttggtta ttttttgagt tacagcatgt 120
gctttcaaaa tagggagact gtatgggtga attaatattt ttttaaataa ctgttaacat 180
gtatagagta ggttgaaagt ttgaaagtat aaaatatact aaaagtatac agacctgtaa 240
taagaaattt atattactat agtcccatag ctgcttttac tatccacaga gaaatgcttg 300
aaaacgtgaa agttgaatag atgcaattaa aatcacggat agtttttaggc tgtttatatt 360
atcagatcac cttcttttat ctaggttgcc ttggagatga tcaaagtaac tgggtggctat 420
ccatttgaag cttacaaaaa tt
442

```

```

<210> 305
<211> 380
<212> DNA
<213> Homo sapiens

```

```

<400> 305
gagacgttcg cacacctggg tgccagcgcc ccagaggtcc cgggacagcc cgaggcgccg 60
cgcccgccgc cccgagctcc ccaagccttc gagagcggcg cacactcccg gtctccactc 120
gctcttccaa caccgcctcg ttttgccggc agctcgtgtc ccagagaccg agttgcccc 180
gagaccgaga cgccgcgcgt gcgaaggacc aatgagagcc ccgctgctac cgccggcgcc 240
ggtggtgctg tcgctcttga tactcggttc aggccattat gctgctggat tggacctcaa 300
tgacacctac tctgggaagc gtgaaccatt ttctggggac cacagggctg atggatttga 360
ggttacctcc agaaggagg
380

```

<210> 306
 <211> 133
 <212> DNA
 <213> Homo sapiens

<400> 306
 ccagtactgc ctctctgtgt cgtgccaaaga cacagtgaat ataacccccca gctcagcctc 60
 ctggccaagt tccgcagcgc ctccctgcac agtgagccac tcatgccaca caacgccacc 120
 tatectgact ctt 133

<210> 307
 <211> 428
 <212> DNA
 <213> Homo sapiens

<400> 307
 tccagtactg cctctctgtgc tctgtgccaaag acacagtgaat tataaccccc agctcagcct 60
 cctggccaag ttcgcagcgc cctccctgca cagtgaagcca ctcatgccac acaacgccacc 120
 ctatctctgac tctttccagc agcctcctgt ctctgcactc cctccctcac ccagccacgc 180
 gttctcccag tccccgtgca cggccagcta cctcactcc ccaggaagtc cttctgagcc 240
 agagagtccc tatcaacact cagactttcg accagtttgt tacgaggagc cccactggg 300
 gctcggtcgc ctactatgaa ctgaacaacc gagttgggga gacattccag gcttcctccc 360
 gaagtgtgct catagatggg ttcaccgacc cttcaaataa caggaacaga ttctgtcttg 420
 gacttctt 428

<210> 308
 <211> 497
 <212> DNA
 <213> Homo sapiens

<400> 308
 cggctgcgag aagacgacag aaggggggaa tgtgtctggc ccttcagcag tttctcttgg 60
 cagcatcagc tgggctgctt tctttgtgtg tggccccagg tgtcaaaatg acaccagctg 120
 tctgtactag acaaggttac caagtgcgga attggttaat actaacagag agatttgctc 180
 cattctcttt ggaataacag gacatgctgt atagatacag gcagtagggt tgctctgtac 240
 ccatgtgtac agcctaccca tgcagggact gggattcgag gacttccagg cgcatagggt 300
 agaaccaa at gatagggtag gagcatgtgt tctttagggc cttgtaaggc tgtttccttt 360
 tgcattctgga actgactata taattgtctt caatgaagac taattcaatt ttgcatatag 420
 aggagccaaa gagagatttc agctctgtat ttgtggtatc agtttgga aa aaaaaaatct 480
 gatactccat ttgatta 497

<210> 309
 <211> 356
 <212> DNA
 <213> Homo sapiens

<400> 309
 ggggaatgtgt ctggcccttc agcagtttct cttggcagca tcagctgggc tgctttcttt 60
 gtgtgtggcc ccaggtgtca aaatgacacc agctgtctgt actagacaag gttaccaagt 120
 gcggaattgg ttaataactaa cagagagatt tgctccattc tctttggaat aacaggacat 180
 gctgtataga tacaggcagt aggtttgtct tgtacccatg tgtacagcct acccatgcag 240
 ggactgggat tgcaggactt ccaggcgc at agggtagaac caaatgatag ggtaggagca 300
 tgtgttcttt aaggccttgt aaggctgttt ccttttgc at ctggaactga ctatat 356

<210> 310
 <211> 348

```

<212> DNA
<213> Homo sapiens

<400> 310
gggaatgtgt ctggcccttc agcagtttct cttggcagca tcagctgggc tgctttcttt 60
gtgtgtggcc ccaggtgtca aaatgacacc agctgtctgt actagacaag gttaccaagt 120
gcggaattgg ttaataactaa cagagagatt tgctccattc tctttggaat aacaggacat 180
gctgtataga tacaggcagt aggtttgctc tgtacccatg tgtacagcct acccatgcag 240
ggactgggat tgcaggactt ccaggcgcat agggtagaac caaatgatag ggtaggagca 300
tgtgttcttt agggccttgt aaggctgttt ccttttgcac ctggaact 348

<210> 311
<211> 337
<212> DNA
<213> Homo sapiens

<400> 311
aagttgtggt ctgacacaca ctgctgtggt tcccctggat ttagtgaaat gccgtatgca 60
ggtggacccc caaaagtaca agggcatatt taacggattc tcagttacac tttaaagagga 120
tggtgttcgt ggtttggcta aaggatgggc tccgactttc cttggctact ccatgcaggg 180
actctgcaag tttggctttt atgaagtctt taaagtcttg tatagcaata tgcttgagga 240
ggagaatact tatctctggc gcacatcact atatttggct gcctctgcca gtgctgaatt 300
ctttgctgac attgccctgg ctccatgga agctgct 337

<210> 312
<211> 252
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 144
<223> n = A,T,C or G

<400> 312
agcccaagcc ctcagtggaa cctgtcaaga gcacagcag catggagctg aagaccgagc 60
cctttgatga cttcctgttc ccagtgcac ttcagagagc tggtagttag tagcatgttg 120
agccaggcct ggggtctgtgt ctctttcttc tttctcctta gtcttctcat agcattaact 180
aatctatttg gttcattatt ggaattaacc tgggtctgga tattttcaaa ttgtatctag 240
tgcagctgat tt 252

<210> 313
<211> 51
<212> DNA
<213> Homo sapiens

<400> 313
actcccagct gcactgggta cagctcttcc ttcgtcttca cctaccccg g 51

<210> 314
<211> 348
<212> DNA
<213> Homo sapiens

<400> 314
atggccacag agctggagcc cctgtgcact ccggtgggtca cctgtactcc cagctgcact 60
gcttacacgt cttccttcgt cttcacctac cccgaggctg actccttccc cagctgtgca 120

```

```

gctgcccacc gcaagggcag cagcagcaat gagccttctt ctgactcgct cagctcacc 180
acgctgctgg ccctgtgagg gggcagggaa ggggaggcag ccggcaccca caagtgccac 240
tgcccagact ggtgcattac agagaggaga aacacatctt ccctagaggg ttctgtaga 300
cctagggagg accttatctg tgcgtgaaac acaccaggct gtgggccc 348

```

```

<210> 315
<211> 507
<212> DNA
<213> Homo sapiens

```

```

<400> 315
ccggtggtca cctgtactcc cagctgcact gcttacacgt ctctcttcgt cttcacctac 60
cccagggtcg actccttccc cagctgtgca gctgcccacc gcaagggcag cagcagcaat 120
gagccttcct ctgactcgct cagctcacc acgctgctgg ccctgtgagg gggcagggaa 180
ggggaggcag ccggcaccca caagtgccac tgcccagact ggtgcattac agagaggaga 240
aacacatctt ccctagaggg ttctgtaga cctagggagg accttatctg tgcgtgaaac 300
acaccaggct gtgggctcca aggacttgaa agcatccatg tgtggactca agtccttacc 360
tcttcgggag atgtagcaaa acgcatggag tgtgtattgt tcccagtgac acttcagaga 420
gctggtagtt agtagcatgt tgagccaggc ctgggtctgt gtctcttttc tctttctctt 480
tagtcttctc atagcattaa ctaatct 507

```

```

<210> 316
<211> 239
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 223
<223> n = A,T,C or G

```

```

<400> 316
agactccaag ccctactggg aggcacggag ggtggcgagg caggctcagc tggaagctca 60
gaaagccacg caggacttcc agagggccac agaggtgctc cgcgcgccca aggagaccat 120
ctccctggcc gagcagcggc tgctggagga tgacaagcgg cagttcgact ccgcttgcca 180
ggagatgctg aatcacgcca ctacagaggt catggaggcg ganagaccaa gaccaggag 239

```

```

<210> 317
<211> 313
<212> DNA
<213> Homo sapiens

```

```

<400> 317
catcagtgat agggatgatt cacaaacaca aagctggtct tttcaaatg ggaagaaaaa 60
agatgcaatt gatcccttac tattcaagta taaagtgcaa cccactaaaa aagaattaca 120
tgagtctgct attgttaaag caacacaaat cagccggaga aaacacctat tttctcgtga 180
taaactaaag ctttttctga agcaacactg ggaaccacaa gatggagtca ttaaaataaa 240
ggcatcatct ctttcaacgg ataaaatagc cgaacaagat tttttcttat ttcttcctg 300
atgattccac ccc 313

```

```

<210> 318
<211> 574
<212> DNA
<213> Homo sapiens

```

```

<400> 318
aaataacatc aacagaacag cttcactttg ggccaaacat ttgaaaaact ttttataaaa 60

```

aattgtttga	tattttcttaa	tgtctgctct	gagccttaaa	acacagattg	aagaagaaaa	120
gaaagaaaaa	acttaaatat	ttatttctat	gctttgttgc	ctctgagaat	aatgacaatt	180
tatgaatttg	tgtttcaa	tgataaaata	tttaggtaca	aataacaaga	ctaataatat	240
tttcttattt	aaaaaaagca	tggaagatt	tttatttatc	aaaatataga	ggaaatgtag	300
acaaaatgga	tataaatgaa	aattaccatg	ttgtaaaacc	ttgaaaatca	gattctaact	360
ggatttgtat	gcaactaagt	atTTTTctga	acacctatgc	aggtcttatt	tacagtagtt	420
actaaggga	cacacaaaga	attacacaac	gttttcctca	agaaaatggt	acaaaacaca	480
accgaggagc	gtatacagtt	gaaaacattt	ttgttttgat	tggaaggcag	attattttat	540
attagtatta	aaaatcaaac	cctatgtttc	tttc			574

<210> 319
 <211> 518
 <212> DNA
 <213> Homo sapiens

<400> 319						
gaagggaaat	aacatcaaca	gaacaacttc	actttgggcc	aaacatttga	aaaacttttt	60
ataaaaaatt	gtttgatatt	tcttaatgtc	tgctctgagc	cttaaaacac	agattgaaga	120
agaaaagaaa	gaaaaaactt	aaatatTTat	ttctatgctt	tgttgcctct	gagaataatg	180
acaattttatg	aatttTgttt	tcaaattgat	aaaatatTTa	ggtacaaata	acaagactaa	240
taatatTTtc	ttattttaaa	aaagcatggg	aagattTTta	tttatcaaaa	tatagaggaa	300
atgtagacaa	aatggatata	aatgaaaatt	accatgttgt	aaaaccttga	aatcagatt	360
ctaactggat	ttgtatgcaa	ctaagtattt	ttctgaacac	ctatgcagg	cttatttaca	420
gtagttacta	agggaacaca	caaagaatta	cacaacgttt	tcctcaagaa	aatggtacaa	480
aacacaaccg	aggagcgtat	acagttgaaa	acattttt			518

<210> 320
 <211> 353
 <212> DNA
 <213> Homo sapiens

<400> 320						
aaataacatc	aacagaacaa	cttcactttg	ggccaaacat	ttaaaaaact	ttttataaaa	60
aaatgtttga	tattttcttaa	tgtctgctct	gagccttaca	acacagattg	aagaagaaaa	120
gaaagaacaa	acttagatat	ttatttctat	gctttgttgc	ctctgagaat	aatgacaatt	180
tatgaatttg	agtttcaa	tgataaaata	tttaggtact	aataacaaga	ctaataatat	240
tttcttattt	ataaaaagca	tggaagatt	tttatttatc	aaaatataca	ggaagtgtag	300
acaaaatgga	tataaatgaa	aattaccatg	ttgtaaaacc	ttgaaaatca	gag	353

<210> 321
 <211> 401
 <212> DNA
 <213> Homo sapiens

<400> 321						
gacctgcaca	cagagactcc	ctcctgggct	cctggcacca	tggecccttg	aagagctggc	60
cctggtcacc	ctcctcctgg	gggttctct	gcagcacatc	cacgcagctc	gagggaccaa	120
tgtgggccc	gagtgtctgc	tgaggtactt	caagggagcc	attcccctta	gaaagctgaa	180
gacgtgggtac	cacacatctg	aggactgtc	cagggatgcc	atcgtttttg	taactgtgca	240
gggcagggcc	atctgttcgg	accccaacaa	caagagagtg	aagaatgcag	ttaaatacct	300
gcaaagcctt	gagaggtctt	gaagcctcct	caccccagac	tcctgactgt	ctcccgggac	360
tacctgggac	ctccaccggt	ggtgttcacc	gccccaccc	t		401

<210> 322
 <211> 547
 <212> DNA
 <213> Homo sapiens

```

<400> 322
gacctgcaca cagagactcc ctctctgggct cctggcacca tggccccact gaagatgctg 60
gccctggtca cctcctcctc gggggcttct ctgcagcaca tccacgcagc tcgagggacc 120
aatgtggggcc gggagtgctg cctggagtac ttcaaggagag ccattcccct tagaaagctg 180
aagacgtggt accagacatc tgaggactgc tccagggatg ccatcgtttt tgtaactgtg 240
cagggcaggg ccattctgttc ggaccccaac aacaagagag tgaagaatgc agttaaatac 300
ctgcaaagcc ttgagaggtc ttgaagctc ctcaccccag actcctgact gtctcccggg 360
actacctggg acctccaccg ttggtgttca ccgccccac cctgagcgcc tgggtccagg 420
ggaggccttc cagggacgaa gaagagccac agtgaggagag atcccatccc cttgtctgaa 480
ctggagccat gggcacaaaag ggcccagatt aaagtcttta tctcaaaaaa aaaaaaaaaa 540
aaaaaaa 547

```

```

<210> 323
<211> 283
<212> DNA
<213> Homo sapiens

```

```

<400> 323
ctgagcagag ggacctgcac acagagactc cctcctgggc tcttggcacc atggccccac 60
tgaagatgct ggccctggtc acctcctcc tgggggcttc tctgcagcac atccacgcag 120
ctcgagggac caatgtgggc cgggagtgct gcctggagta cttcaaggga gccattcccc 180
ttagaaagct gaagacgtgg taccagacat ctgaggactg ctccagggat gccatcgttt 240
ttgtaactgt gcagggcagg gccattctgt cggaccccaa caa 283

```

```

<210> 324
<211> 160
<212> DNA
<213> Homo sapiens

```

```

<400> 324
gcggtgacga cggggaccat tttaccatca ccaccacccc tgagagcaac cagggcatcc 60
tgacaaccag gaagggtttg gattttgagg ccaaaaacca gcacaccctg tacgttgaag 120
tgaccaacga ggcccccttt gtgctgaagc tcccaacctc 160

```

```

<210> 325
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 325
tttttttttg gggccaattc ttttaattta ctaaattagg aacgcagctt ttacagaaca 60
ataaacacaa gggacggggc caccacagga tctaacagct tttcagggac ctatgttgca 120
agctcaaaag taatccacta acgaaccaag tcaaactcca gtttttaata aaaaggggct 180
gggggagggt gtcaaaccac ttccaatata aatccccaat ccgagggcca ccaaataaaa 240
aagcaccaaa aatggaagga aaactttcaa aaattctgca aaaaatatgc cccctttttt 300

```

```

<210> 326
<211> 394
<212> DNA
<213> Homo sapiens

```

```

<400> 326
gtctatttctt ttatttttact aaattaggaa cgcagcattt acagaacaat aaacacaagt 60
gacgtggcca ccccaggatc taacagctct tcagtgagct atgttgcaag ctcagaagta 120
atccactaac gaaccaagtc agactccagt tcttcatcaa aaggtgctgg tggaggttgt 180

```

```

cagacgcctt ccaatataga tccccaatcc gatggccagc aaatgagaga gcagcagaga 240
tggaaggaaa acttcagaa attctgcaga gaatatgccc cttttcttca tgacgctcgt 300
gttcccccat gctgaagggtg gccgtgcgct tccggtgttt aaagaagaac cttggggggg 360
aatatttccc ggccatttga ccaatcccat tcca 394

```

```

<210> 327
<211> 524
<212> DNA
<213> Homo sapiens

```

```

<400> 327
gtctattctt ttattttact aaattaggaa cgcagcattt acagaacaaa taaacacaag 60
tgacgtggcc accccaggat ctaacagctc ttcagtgagc tatgttgcaa gtcagaagt 120
aatccactaa cgaaccaagt cagactccag ttcttcatca aaagggtgctg gtggagggtg 180
tcagacgcct tccaatatag atccccaatc cgatggccag caaatgagag agcagcagag 240
atggaaggaa aactttcaga aattctgcag agaatatgcc ccttttcttc atgacgctcg 300
tgttcctcat gctgagggtg ccgtgcgctt ccggtgttta aagaagaacc cttgggggga 360
atatttccgg ccgacttgac caatcccata tccatctgat ttttcttcca gaagctttca 420
cttcttctct ctttcaatat cactccttca actgtgactg ttttcccccc aatgctatgg 480
tttctgttca aaaccccggt ggttctgttg ggtcgctact ccgt 524

```

```

<210> 328
<211> 55
<212> DNA
<213> Homo sapiens

```

```

<400> 328
ggccgcctt tttttttttt ttttttcggg ggcgtttttt gattttttaa attgg 55

```

```

<210> 329
<211> 463
<212> DNA
<213> Homo sapiens

```

```

<400> 329
tactatagg gaaagctggt acgcctgcag gtaccgggtcc ggaattcccg ggtcgaccca 60
cgcgtccgcc gcccccgaga cctgtgaaga aaaccatctt gtgaggggct gcctggactg 120
gtctggcagg ttgggcctgg atggggaggc tctagcatct ctcatagggt caacctgaga 180
gtgggggagc taagccatga ggtaggggca ggcaagagag aggattcaga cgctctggga 240
gccagttcct agtctcaac tccagccacc tgccccagct cgacggcact gggccagttc 300
cccctctgct ctgcagctcg gtttcctttt ctagaatgga aatagtgagg gccaatgccc 360
agggttgagg ggaggagggc gttcatagaa gaacacacat gcgggcacct tcatcggtg 420
tggccactg tcagaactta ataaaagtca actcatttgc tgg 463

```

```

<210> 330
<211> 274
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 144, 218, 268
<223> n = A,T,C or G

```

```

<400> 330
ccgccccga gaccatgtga agaaaacat cttgtgaggg gctgcctgga ctggtctggc 60
aggttgggcc tggatgggga ggctctagca tctctcatag gtgcaacctg agagtggggg 120

```



```

agctaagcca tgaggtaggg gcangcaaga gagaggattc agacgctctg ggagccagtt 180
cctagtcctc aactccagcc acctgcccc actcgaacgc actgggccag ttccccctct 240
gctctgcagt cggtttcctt ttctagantg gaaa 274

```

```

<210> 331
<211> 232
<212> DNA
<213> Homo sapiens

```

```

<400> 331
cggctgtgag aatacgacag aagggtcagg ctgcgagaag acgacagaag ggggatctca 60
gcggggagcc acgtctcttg cactgtggtc tctgcatgga cccagggct gtggggactt 120
gggggacagt aatcaagtaa tccccctttc cagaatgcat taaccactc ccctgacctc 180
acgctggggc aggtcccaa gtgtgcaagc tcagtattca tgatgggagg gg 232

```

```

<210> 332
<211> 321
<212> DNA
<213> Homo sapiens

```

```

<400> 332
gttgtgttga gatccagtgc agttgtgatt tctgtggatc ccagcttggg tccaggaatt 60
tttgtgtgatt ggttttaaatc cagttttcaa tcttcgacag ctgggctgga acgtgaactc 120
agtagctgaa cctgtctgac ccggtcacgt tcttggatcc tcagaactct ttgctcttgt 180
cgggggtggg gtgggaactc tcgtgaggag cgccagctgt gtaaagtcca cgactccgta 240
attcttattc ggtgggacct tgcttccctc tgggagctgg ctcgttttgt tgggtgtctaa 300
cctttcgccg aatcgttaaa g 321

```

```

<210> 333
<211> 344
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 265, 267, 272, 337
<223> n = A,T,C or G

```

```

<400> 333
gtcctatttc tcattttgtt gataatttct gcatttaatg gtctgtgctt taaatggtaa 60
cgctacggcc ccaggtcact gcgaggcact taccatgtag atacgggctc aaaagtcacc 120
tctcagagac ctacgtcatc cactcaggaa ttccgcctc tcatacttgc ctgtctcatt 180
ttatcttctt tctagcagct gtctgaaatt gggtcgtctg ttttcttgtt tatggtattc 240
tcaagccctt gacagaccgg ctagnnggt tntcccgctc atcttcagcc tggcacatta 300
tggacactta aatactacgt attgatctaa tattganggg ttaa 344

```

```

<210> 334
<211> 405
<212> DNA
<213> Homo sapiens

```

```

<400> 334
ggcacgaggg atgaaggggtg ctgctcattt tcattagatg tatgtgaagg cacagtgaag 60
atggaaatgt tcttggagct acttctctca aatgtatcct tagtcacctc agtgcaacag 120
ctgggagggg gccgtgttaa gatttttttt gctacaaaga ggaggtggca atggtagatc 180
cacccttatg cttctcagtt tagcataacc tcttatggat tttcatcaaa ttcagcgtgt 240
tggtcactgg aaagagcctt ttccttctcc ttttcttact ctccccctcat ggggttcccc 300

```

```
tcttaaagga gaggagcttt taatttacac ttaccacctc atttgctttt ttggaggcca 360
tgccatataa gcgggactac cgagttaatc tcctttttac aaaag 405
```

```
<210> 335
<211> 227
<212> DNA
<213> Homo sapiens
```

```
<400> 335
ggatgaacta ttcagatgct atcgtttggc taaaagaaca tgatgtaaag aaagaagatg 60
gaactttcta tgaatttggg gaagatatcc cagaagctcc tgagagactg atgacagaca 120
ccattaatga accaatcttg ctgtgtcgat ttctgtgga gatcaagtcc ttctacatgc 180
agcgatgtcc tgaggattcc cgtcttactg aatctgtcga cgtgttg 227
```

```
<210> 336
<211> 521
<212> DNA
<213> Homo sapiens
```

```
<400> 336
tcgaattcgg atgaactatt cagatgctat cgtttggcta aaagaacatg atgtaaagaa 60
agaagatgga actttctatg aatttggaga agatatccca gaagctcctg agagactgat 120
gacagacacc attaatgaac caatcttgct gtgtcgattt cctgtggaga tcaagtcctt 180
ctacatgcag cgatgtcctg aggattcccg tcttactgaa tctgtcgacg tgttgatgcc 240
caatgttggt gagattgtgg gaggtcfaat gcgtatcttt gatagtgaag aaatactggc 300
aggttataaa agggaaggga ttgacccac tccctattac tgggtatacg atcagagaaa 360
atacgggtaca tgtcccatg gaggatatgg cttgggcttg gaacgattct taacgtggat 420
tctgaatagg tatcacatcc gagacgtgtg cttataacct cgatttgtcc agcgttgcac 480
gccataacca ttttctccag aagcgtggag gaaagattat g 521
```

```
<210> 337
<211> 325
<212> DNA
<213> Homo sapiens
```

```
<400> 337
ggactttccc gatcgccagg caggagtttc tctcggtgac tactatcgct gtcattgtctg 60
gtcgtggcaa gcaaggaggc aaggcccgcg ccaaggccaa gtcgcgctcg tcccgcgcgg 120
gccttcagtt cccggtaggg cgagtgcac gcttgcgtcg caaaggcaac tacgcggagc 180
gagtgggggc cggcgcgccc gtctacatgg ctgcgttccg cgagtatctg accgctgaga 240
tcctggagct ggcgggcaac gcggctcggg acaacaagaa gacgcgcac atccctcgtc 300
acctccagct ggccatccgc aacga 325
```

```
<210> 338
<211> 401
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 264
<223> n = A,T,C or G
```

```
<400> 338
cgttgctgtc ggttttagga aacctggcat ggtgctttca ggtctggggc ttttagagcc 60
ccccgtgtgg cttacaaatt ctacagcata cagagcaggc cacgctcagg cccggcatgc 120
gggccaccaa gttctggaac ccacgtgggt tcctgcgaa tggggcgatc aagtccagag 180
```

```

ccgggggcact ttcagagttt gaaggtaact gagagcagat ggteectecat ttcaactcca 240
gaagtggggc tctgggaggg atgntctaac cctccctggc atgtcacaac caggctctgg 300
ctggaggatc cctccatccg gctcctgtca tcccctacac tttggcctag caagaggtgg 360
aataaccact tgtgtgctca ttactgttgg gaggaacaaa g 401

```

```

<210> 339
<211> 460
<212> DNA
<213> Homo sapiens

```

```

<400> 339
catgcccccc accaagttct ggaaaccacg tgggtgtccct gcgaatgggg cgatcaagtc 60
cagagccggg gcactttcag agtttgaagg taactgagag cagatgggtc tccatttcaa 120
ctccagaagt ggggctctgg gagggatggt ctagccctcc ctggcatgtc agaaccaggc 180
tctgcctgga ggatccctcc atccggctcc tgtcatcccc tacactttgg ccaagcaaga 240
agtggtagaa ccacttggct gctccttcc tctggaggac acacagtctc agtccagatg 300
ccttcctgtc tttctggccc tttctggacc agatcctact cttcctttct aaatctgaga 360
tctccctcca gggaatccgc ctgcagagga cagagctggc tgtcttcccc caccctaacc 420
ctggcttatt cccaactgct ctgcccactg tgaaaccact 460

```

```

<210> 340
<211> 496
<212> DNA
<213> Homo sapiens

```

```

<400> 340
tttttttttt tttttttttt tttttgggat tcttaaatat agatgtattt ttttcatctc 60
atctccggac acactccaat cacacccctc ctgccctccc ctctcaactg caaaccaagc 120
ggtgcagaca cagcacagca cacatgaggg gccctccctt tcaccaaacg tgaaggcagg 180
gcacagtttg gggatggaag agcctcgagg taaatgtggg ggttctagaa ccagtgacc 240
tcagttctgg atcatggga agggatcagt atgcagtaac gtggtaaggt tccagatcta 300
gaagccagga cctagaacct agtggtttca cagtgggcag agcagttggg aataagccag 360
gttaggggtg ggggaagaca gccagctctg tcctctgcag gcggattccc tggagggaga 420
tctcagatth agaaaggaag agtaggatct ggtccagaaa gggccagaaa gacaggaagg 480
catctggact gagact 496

```

```

<210> 341
<211> 283
<212> DNA
<213> Homo sapiens

```

```

<400> 341
tttttttttt tttttttttt ttttttttag gatttgaata cattttattgt gacaagaatg 60
ctgttataaa tattcataag caaaggccat ctttttatct aggaattgtc aaagagaaga 120
ttccaaattg gaaggataca tcttttgtaa aatctgccac caattcctgc tttgagaata 180
agcacctatt gtaaaatttc tactaacatt ataaatggtc acagcacatg ccacttgata 240
caatccaaac tttgaaatgt ttgacttctc agtgggctgt ccc 283

```

```

<210> 342
<211> 335
<212> DNA
<213> Homo sapiens

```

```

<400> 342
tgtcgggagc caggcgagc ccagcctcga aatgcagaac gacgcccggc agttcgtgga 60
cctgtacgtg ccgcggaat gctccgctag caatcgcatc atcgggtgcc aggaccagc 120
atccatccag atgaacgtgg ccgaggttga caaggtcaca ggcaggttta atggccagtt 180

```

taaaacttat	gctatctgcg	gggccattcg	taggatgggt	gagtcagatg	attccattct	240
ccgattggcc	aaggccgatg	gcatcgtctc	aaagaacttt	tgactggaga	gaatcacaga	300
tgtggaatat	ttgtcataaa	taaataatga	aaacc			335

<210> 343
 <211> 75
 <212> DNA
 <213> Homo sapiens

<400> 343						
gggtagagtt	cttaaatacga	gatctggagg	tagatggacg	ctttgtaacc	ctccagatct	60
gggacactgc	agggc					75

<210> 344
 <211> 611
 <212> DNA
 <213> Homo sapiens

<400> 344						
gccggggggc	agcggcgggc	gcgagcgcca	gctgtcaggc	caccgaggtc	caagccgcac	60
ttgctgcccc	attgaggacg	aggaggcagc	aggagcagtg	acggtgactc	taaggagccg	120
gattcccggc	acgcagagct	gacctgcctg	gcaccgcggg	ccctctcctg	tttccttccc	180
attgtgttg	caccctaaaa	agaaagaata	aaacaacaac	aggaaaaaaa	ggaaaatatt	240
taaattgtga	caaaaaccca	ctgggttctc	ttgggttaca	actccttccc	ttctgggtgct	300
acaaaaatga	gtgggaaatc	cctgctctta	aaggtcattc	tcttgggtga	tggtggagtt	360
gggaaaagtt	cgcttatgaa	ccgttacgta	accaacaaat	ttgactccca	ggcttttcac	420
accatagggg	tagagttctt	aaatcgagat	ctggaggtag	atggacgctt	tgtaaccctc	480
cagatctggg	acactgcagg	gcaggaacgt	ttcaagagcc	ttaggacacc	cttctacagg	540
ggagcagact	gctgcctctt	gaccttcagc	gtggatgata	ggcagagctt	cgagaatctt	600
ggtaactggc	a					611

<210> 345
 <211> 441
 <212> DNA
 <213> Homo sapiens

<400> 345						
ggccttttga	agcctcacccg	gcgatgcaag	gatagtcata	aacagggccc	gggtggagtg	60
ccagagccac	cggctgactg	tggaggaccc	ggtcactgtg	gagtacatca	cccgtacat	120
cgccagtctg	aagcagcggt	atacgcatag	cactgggcgc	aggcgtttgg	catctctgcc	180
ctcatcgtag	gtttctactt	tgatggcact	cctaggctct	atcagactga	cccctctgtc	240
acataccatg	cctggaaggc	caatgccata	cgccgggggtg	ccaactcagt	gcgtgagttc	300
ctggagaaga	actatactga	cgaagccatt	gtaacatatg	atctgaccat	taagctgggtg	360
atcaacgcac	tcctggaagt	ggttcactca	ggtggcaaaa	acattgaact	tgctgtcatg	420
aggcgagatc	aatccctcaa	g				441

<210> 346
 <211> 323
 <212> DNA
 <213> Homo sapiens

<400> 346						
ggccttttga	ggcctcacccg	ccgatgcaag	gatagtcata	aacagggccc	gggtggagtg	60
ccagagccac	cggctgactg	tggaggaccc	ggtcactgtg	gagtacatca	cccgtacat	120
cgccagtctg	aagcagcggt	atacgcacag	caatgggcgc	aggcgtttgg	catctctgcc	180
ctcatcgtag	gtttcgactt	tgatggcact	cctaggctct	atcagactga	cccctcgggc	240
acataccatg	cctggaaggc	caatgccata	tgccgggggtg	ccaagtacgt	gcgtgagttc	300

ctggagaaga actatactga cga

323

<210> 347

<211> 567

<212> DNA

<213> Homo sapiens

<400> 347

```
ccagcggcct cttccccctt ctggtgctgc ttgccctggg aactctggca ccttgggctg 60
tggaaggctc tggaaagtcc ttcaaagctg gagtctgtcc tctaagaaa tctgcccagt 120
gccttagata caagaaacct gagtgccaga gtgactggca gtgtccaggg aagaagaaat 180
gttgctcctga cacttggtgc atcaaagctc tggatcctgt tgacacccca aaccaacaa 240
ggaggaagcc tgggaagtgc ccagtgactt atggccaatg tttgatgctt aacccccca 300
atttctgtga gatggatggc cagtgcgaagc gtgacttgaa gtgttgcacg ggcatgtgtg 360
ggaaatcctg cgtttccccct gtgaaagctt gattcctgcc atatggagga ggctctggag 420
tcctgctctg tgtgggtccag gtcctttcca ccctgagact tggctccacc actgatatcc 480
tcctttgggg aaaggcttgg cacacagcag gctttcaaga agtgccagtt gatcaatgaa 540
taaataaacg agcctatttc tctttgc 567
```

<210> 348

<211> 314

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 48

<223> n = A,T,C or G

<400> 348

```
atgaagtcca gcggcctctt ccccttcctg gtgctgcttg ccctgggnac tctggcacct 60
tggtgtgtgg aaggctctgg aaagtccttc aaagctggag tctgtcctcc taagaaatct 120
gccagtgcc ttagatacaa gaaacctgag tgccagagtg actggcagtg tccagggaag 180
aagagatgtt gtctgacac ttgtggcatc aaatgcctgg atcctgttga cccccaaac 240
ccaacaagga ggaagcctgg gaagtgccca gtgacttatg gccaatgttt gatgcttaac 300
ccccccaatt tctg 314
```

<210> 349

<211> 611

<212> DNA

<213> Homo sapiens

<400> 349

```
ggctctgctc tgcagcacac ccgtgggtga cccctcacco cagaagcagc agtggcagct 60
tggaagatgt gaggaaggga aggagggaga gacgggaggg aggagagaga ggagaaggga 120
ggcaggggag gggcagcaga accaaggcaa atatttcagc tgggctatac cctctcccc 180
atccctgtta tagaagctta gagagccagc cagcaatgga accttctggt tcctgcgcca 240
atcgccacca gtatcaattg tgtgagcttg ggtgcgagtg cacgcgtgcg tgagtacgga 300
gagtataat agatctctat ctcttagcaa aggtgaatgc cagatgtaaa tggcgccctc 360
gggcaaaagg ggcctgtatt ttgcacattt tataaaaact tgagagaatg agatttctgc 420
ttgtatatatt taaaaaagag gaaggagccc aaaccatcct ctcttacca ctcccatccc 480
tgtgagccct accttcccc tctgccccta gccaaaggag gtgaatttat agatctaact 540
ttcataggca aaacaaaagc ttcgagctgt tgcgtgtgtg agtctgttgt gtggatgtgc 600
gtgtgtgggc c 611
```

<210> 350

<211> 370

```

<212> DNA
<213> Homo sapiens

<400> 350
tggctggatg ggcttggact gtggctcctga aagcagcaag aagtatgctg aggctgtcac 60
tcgggctaag cagatttgtgt ggaatgggtcc tgtgggggta tttgaatggg aagcttttgc 120
ccggggaacc aaagctctca tggatgaggt ggtgaaagcc acttctaggg gctgcatcac 180
catcataggt ggtggagaca ctgccacttg ctgtgccaaa tggaacacgg aggataaagt 240
cagccatgtg agcactgggg gtggtgccag tttggagctc ctggaaggta aagtccttcc 300
tggggtggat gctctcagca atatttagta ctttctgccc ttttagttcc tgtgcacagc 360
ccctaagtca                                     370

<210> 351
<211> 177
<212> DNA
<213> Homo sapiens

<400> 351
gggctgcata accatcatag gtggtggaga cactgccact tgctgtgcca aatggaacac 60
ggaggataaa gtcagccatg tgagcactgg ggggtggtgcc agtttggagc tcctggaagg 120
gaaagtcctt cctgggggtgg atgctctcag caatatttag tactttctctg cctttta 177

<210> 352
<211> 204
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 53, 55, 76, 86, 137
<223> n = A,T,C or G

<400> 352
atggctttta ccttccttaa ggtgctcaac aacatggaga ttgggcactt tcnenggttg 60
atgaagaagg aagccnagat ttgtcnaaga cctaattgtc aaaagctgag aagaatggtg 120
tgaagattac cttgccntgt tgacttgtca ctgctgacaa gtttgatgag aatgcccaag 180
actggcccag ccactgggtgg cttc                                     204

<210> 353
<211> 489
<212> DNA
<213> Homo sapiens

<400> 353
cttttacctt ccttaagggtg ctcaggacat ggagattggc acttctctgt ttgatgaaga 60
gggagccaag attgtcaaag acctaattgtc caaagctgag aagaatggtg tgaagattac 120
cttgccctgtt gactttgtca ctgctgacaa gtttgatgag aatgccaaaga ctggccaagc 180
cactgtggct tctggcatac ctgctggctg gatgggcttg gactgtggtc ctgaaagcag 240
caagaagtat gctgaggctg tcaactgggc taagcagatt gtgtggaatg gtcctgtggg 300
ggtatattgaa tgggaagctt ttgcccgggg aaccaaagct ctcatggatg aggtggtgaa 360
agccacttct aggggctgca tcaccatcat aggtggtgga gacactgcca cttgctgtgc 420
caaatggaac acggaggata aagtcagcca tgtgagcact gggggtggtg ccagtttgga 480
gctcctgga                                     489

<210> 354
<211> 885
<212> DNA

```

<213> Homo sapiens

<400> 354

```
tttttttttt ttcacggtttc aatggacact tttattgttt acttaatgga tcatcaattt 60
tgtctcacta cctacaaatg gaatttcac tttgtttccat gctgagtagt gaaacagtga 120
caaagctaata cataataaacc tacatcaaaa gagaactaag ctaacactgc tcactttctt 180
tttaacaggc aaaatataaaa tatatgcact ctaaaatgca caatggttta gtcactaaaa 240
aattcaaagt ggatcttgaa gaatgtatgc aaatccaggg tgcagtgaat atgagctgag 300
atgctgtgca actgtttaag ggttcctggc actgcatctc ttggccacta gctgaatctt 360
gacatggaag gtttttagcta atgcccaggg gaaatgcaaa aaatgctaata ttgacttagg 420
gcctgtgcac aggaactaaa aggcaggaaa gtactaaata ttgctgagag catccacccc 480
aggaaggact ttaccttcca ggagctccaa actggcacca cccccagtgc tcacatggct 540
gactttatcc tccgtgttcc atttggcaca gcaagtggca gtgtctccac cacctatgat 600
ggtgatgcag cccctataaaa gtggctttca ccacctcatc catgagagct ttggttcccc 660
gggcaaaagc ttccattcca aataccccca caggaccatt ccacacaatc tgcttaaccc 720
gagtgcagc ctcagcatac ttcttgctgg tttcaggacc acagtccaag ccccatccca 780
ccagcaggta tgcaagaagg cccagtgggc ttgccagtct tggcatttct catcaacttg 840
tcagcagtga caaagtcaac cggaaggaa tcttcacacc atctt 885
```

<210> 355

<211> 434

<212> DNA

<213> Homo sapiens

<400> 355

```
cggtcgag aagacgacag aaggggggag tggttgctat accttgactt catttatatg 60
aatttccact ttattaaata atagaaaaga aaatcccggt gcttgagta gagtgatagg 120
acattctatg cttacagaaa atatagccat gattgaaatc aaatagtaaa ggctgttctg 180
gctttttatc ttcttagctc atcttaaata agcagtacac ttggatgcag tgcgtctgaa 240
gtgctaatac gttgtaacaa tagcacaat cgaacttagg atttgtttct tctcttctgt 300
gtttcgattt ttgatcaatt ctttaatttt ggaagcctat aatacagttt tctattcttg 360
gagataaaaa tttaatggat cactgatatt ttagtcattc tgcttctcat ctaaataattt 420
ccatattctg tatt 434
```

<210> 356

<211> 318

<212> DNA

<213> Homo sapiens

<400> 356

```
gggagtggtt gctatacctt gacttcattt atatgaattt ccactttatt aaataataga 60
aaagaaaatc ccggtgcttg cagtagagtg ataggacatt ctatgcttac agaaaatata 120
gccatgattg aaatcaaata gtaaaggctg ttctggcttt ttatcttctt agctcatctt 180
aaataagcag tacacttgga tgcagtgcgt ctgaagtgtt aatcagttgt aacaatagca 240
caaatcgaac ttaggatttg cttcttctct tctgtgttgc gatttttgat caattcttta 300
atattggaag cctataat 318
```

<210> 357

<211> 231

<212> DNA

<213> Homo sapiens

<400> 357

```
cggtcgag aagacaacag aagggggctc ccgctcggga tctcgctccg gatctcgctc 60
cggtcccg agtgggtccc ggagaggaag ctttgacgcc acaaggaatt cttcctactc 120
ttattcctac tcatttagca gtagttctat tgggcactat tagtcagttg ggagtggtg 180
ctataccttg acttcattta tatgaatttc cactttatta aataatagaa a 231
```

<210> 358
 <211> 446
 <212> DNA
 <213> Homo sapiens

<400> 358
 atttgcctgta tgccgagaat ggaaaaattg gaccacctaa actggatata agaaaggagg 60
 agaagcaaat catgattgac atatttcacc cttcagtttt tgtaaattgga gacgagcagg 120
 aagtcgatta tgatcccgaa actacctggt acattagggg gtacaatgtg tatgtgagaa 180
 tgaacggaag tgagatccag tataaaatac tcacgcagaa ggaagatgat tgtgacgaga 240
 ttcagtgcca gtttagcgatt ccagtatcct cactgaattc tcagtactgt gtttcagcag 300
 aaggagtctt acatgtgtgg ggtgttacia ctgaaaagtc aaaagaagtt tgtattacca 360
 ttttcaatag cagtataaaa ggttctcttt ggattccagt tgttgctgct ttactactct 420
 ttctagtgtc tagcctggta ttcac 446

<210> 359
 <211> 209
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 19, 185, 193
 <223> n = A,T,C or G

<400> 359
 gagaatttgc tgtatgccng agatggaaaa attggaccac ctaaactgga tatcagaaaag 60
 gaggagaagc aaatcatgat tgacatatat cacccttcaa gtttttgtaa atggagacga 120
 gcaggaagtc gattatgatc ccgaaactac ctgttacatt aggggtgtaca atgtgtatgt 180
 gagantgaac ggnagtgaga tccagtata 209

<210> 360
 <211> 521
 <212> DNA
 <213> Homo sapiens

<400> 360
 tgctgtcggt gactactgaa gaaatattcc tgacgtgggc ccgggcagcc atctgactcc 60
 aatagagaga gagagttctt cacccttaag tagtaaccag tctgaacctg gcagcatcgc 120
 tttaaactcg tatcactcca gaaattgttc tgagagtgat cactccagaa atgggttttg 180
 tactgattcc agctgtctgg aatcacatag ctcccttatct gactcagaat ttcccccaaa 240
 taataaagggt gaaataaaaa cagaaggaca agagctcata accgtaataa aagccccccac 300
 ctcccttggt tatgataaac cacatgtgct agtggatcta cttgtggatg atagcggtaa 360
 agagtccttg attggttata gaccaacaga agattccaaa gaattttcat gagatcagct 420
 aagttgcacc aactttgaag tctgattttc ctggacagtt ttctgcttta atttcatgaa 480
 aagattatga tctcagaaat tgtatcttag ttggtatcaa c 521

<210> 361
 <211> 522
 <212> DNA
 <213> Homo sapiens

<400> 361
 tggccctcga ggccaagaat tcggcactag gggagaggag cttgaatttc tgacacacat 60
 aacatgtaaa aagtatttgg catttcataa ggatttgggg tgggggtaaac gcaagggttag 120
 tctgttttaa aaaatgtttt cattaacgag cacataactg gtgggttcta atgggaatac 180


```

ttgaccacagg cagaaactag aaaagtagca agtaggaaac ttccatttct ctccccctaaa 240
caacccttta aggcactgtg agctggagac aggagaggtg ttgcccaccc tttgttcata 300
tactcggtga cgatgtagat gggctcctca gacaccactg catagagctg gaccagcttg 360
tcgtgcttca gcttcttcat gatctgcgct tcctcaagga atgattcggg ggacattgtg 420
cctggtttaa gagtctttat ggctactttt gtgtttccat tccaggtacc tacaacatc 480
ccagaatatg aagtcaaacc aaagatcttc ttttgatgga aa 522

```

```

<210> 362
<211> 421
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 12, 331, 372
<223> n = A,T,C or G

```

```

<400> 362
ttaatgagtt anaaatctta atatagccat cttagccata accacaaata aactcatttt 60
ttctgttaaa atacttgaca gaggcttgc aattgaatgt ctttgttcaa caaaaactgt 120
attaagtgtt ttaaatttaa aatctaattc tatgcaaata gctgggtggc aaaacctttt 180
tccatcaaaa gaagatcttt ggtttgactt catattctgg gatgtttgta ggtacctgga 240
atggaaacac aaaagtagcc ataaagactc ttaaaccagg cacaatgtcc cccgaatcat 300
tccttgagga agcgagatc atgaagaagc ngaagcacga caagctggc cagctctatg 360
gcagtgggtg cngaggagcc catctacatc gtcaccgagt atatgaacaa aggttgggca 420
a 421

```

```

<210> 363
<211> 503
<212> DNA
<213> Homo sapiens

```

```

<400> 363
cagaaggggt ttccgaatgt tttagttagc cttttgggtg agccgccagc tgacaggaca 60
tcttacaaga gaatttgcac atctctggaa gcttagcaat cttattgcac actgttcgct 120
ggaagctttt tgaagagcac attctcctca gtgagctcat gaggttttca tttttattct 180
tccttccaac gtggtgctat ctctgaaacg agcgttagag tgccgcctta gacggaggca 240
ggagtttcgt tagaaagcgg acgctgttct aaaaaaggct tcctgcagat ctgtctgggc 300
tgtgatgacg aatattatga aatgtgcctt ttctgaagag attgtgttag ctccaaagct 360
tttctgtcgc cagtgtttca gttctttatt ttcccttggt gatatgctgt gtgaaccgct 420
gtgtgagtggt ggtatgcctg atcacagatg gattttgtta taagcatcaa tgtgacactt 480
gcaggacact acaacgtggg aca 503

```

```

<210> 364
<211> 365
<212> DNA
<213> Homo sapiens

```

```

<400> 364
ggccgccctt tttttttttt ttggggggga aaaaattttt ttttaaaaaa aaaaaaactt 60
ccccctggg gaaaaaaaaa ggttttttaa aaaaaaaacc aaacaaaatt ttcccgggcc 120
ctttagggtt tttaaatttt cccccgggtt gaaccctttt taaaaaaaaa ggaatttttt 180
tggggggaaa taatggggga aaaacaaaaa aaaaaggggg gttttttttt taaaaccttt 240
ttttttttta aaaacctttc cccaggggaa aaattcccaa aaccttttaa aaaaaagggt 300
ccgaaatttt taatccaaag gggaaaaacc ccccccccaa caaaaaaccc ccaaagggga 360
aaaag 365

```

<210> 365
 <211> 680
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 172, 173, 176, 186, 199, 200, 591, 625, 659, 670
 <223> n = A,T,C or G

<400> 365
 aggacacaga caaggaactt gctgaaaggc caaccatttc aggatcagtc aaaggcagca 60
 agcagataga ctcaaggtgt gtgaaagatg ttatacacca ggagctgcca cttcatgtcc 120
 caaccagact gtgtctgtct gtgtctgcat gtaagagtga gggagggaag gnnngnacta 180
 caaganagtc ggagatgann cagcacacac acaattcccc agcccacgtg atgcttgtgt 240
 tgaccagatg ttcctgagtc tggagcaagc acccaggcca gaataacaga gctttcttag 300
 ttggtgaaga cttaaacatc tgccctgaggt caggaggcaa tttgacctgc ttgtacaaaa 360
 gctcaggtga aagactgaga tgaatgtctt tcctctccct gcctcccacc agacttcttc 420
 ctggaaaacg ctttggtaga tttggccagg agctttcttt tatgtaattg gataaatata 480
 cacaccatac actatccaca gatatagcca agtagatttg ggtagaggat actatttcca 540
 gaatagtgtt tagctcacct agggggatat gttgtatcac atttgcatat nccacatggg 600
 gacataagct aattttttac agacncgatt ctgtcatgct gttaatagcc atgggttaanc 660
 cccattggn ggggccggtg 680

<210> 366
 <211> 570
 <212> DNA
 <213> Homo sapiens

<400> 366
 taagctcggg attcggctcg agcggctcga gtcaagagaa aacacaagaa ggacatcagc 60
 cagaacaagc gagccgtgag gcggctgcgc accgcctgcg agagggccaa gaggacctg 120
 tcgtccagca cccaggccag cctggagatc gactccctgt ttgagggcat cgacttctac 180
 acgtccatca ccaggcgag gtctgaggag ctgtgctccg acctgttccg aagcacctg 240
 gagcccgtag agaaggtctt gcgcgacgcc aagctggaca aggccagat tcacgacctg 300
 gtctctggtc ggggctccac ccgcatcccc aagggtgcaga agctgctgca ggacttcttc 360
 aacgggcgcg acctgaacaa gagcatcaac cccgacgagg ctgtggccta cggggcggcg 420
 gtgcaggcgg ccactctgat gggggacaag tccgagaacg tgcaggacct gctgctgctg 480
 gacgtggctc ccctgtcgtt ggggctggag acggccggag gcgtgatgac tgccctgatc 540
 aagcgcaact ccaccatccc caccaagcag 570

<210> 367
 <211> 454
 <212> DNA
 <213> Homo sapiens

<400> 367
 gccgcccttt tttttttttt tttttttttt tttttttttg tttttttttt tttttcaaaa 60
 aaaaaaaatc ttttttagaaa aaaaaacccc cccccaacaa aaaatggggg ggggggggga 120
 ttttccctcc cgggggaagg agaaaaagcc gcagtaataa aaaggggggg aaccaaaaaa 180
 tttttttttt tttttaaaaa aggttttttt gggggccccc cccccaaaaa aaaaaaaagg 240
 tccccccct ttttttcccc cttttttggg ggggaaaaaa aaaaaagggg ggggaaaaaa 300
 acagaaaatt tttttcaaaa atttaaaaaa aaaagggggg ggggggggaa aaaaaaggtt 360
 tttttacccc cctggggggg aaaaaaaaaa aatttggggc caccaaaaag gggggggggc 420
 cccccaaaaa aggggggttt ttttaaaaaa aaaa 454

<210> 368

<211> 651
 <212> DNA
 <213> Homo sapiens

<400> 368
 taagctcggg attcggctcg agtgggtcttc gtctactccg ggtcttttcag gaggccaaaa 60
 ggcagctcca gaagattgac aaatctgagg gccgcttcca tgtccagaac cttagccagg 120
 tggagcagga tgggcggacg gggcatggac tccgcagatc ttccaagttc tgcttgaagg 180
 agcacaaaagc cctcaagacg ttaggcatca tcatgggcac tttcaccctc tgctggctgc 240
 ccttcttcat cgttaacatt gtgcatgtga tccaggataa cctcatccgt aaggaagttt 300
 acatcctcct aaattggata ggctatgtca attctggttt caatcccctt atctactgcc 360
 ggagcccaga tttcaggatt gccttccagg agcttctgtg cctgcgcagg tcttctttga 420
 aggcctatgg gaatggctac tccagcaacg gcaacacagg ggagcagagt ggatatcacg 480
 tggaacagga gaaagaaaat aaactgctgt gtgaagacct cccaggcacg gaagactttg 540
 tgggccatca aggtactgtg cctagcgata acattgattc acaagggagg aattgtagta 600
 caaatgactc actgctgtaa agcagttttt ctacttttaa agaccccccc c 651

<210> 369
 <211> 280
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 112
 <223> n = A,T,C or G

<400> 369
 tgggtcttcgt ctactccagg gtcttttcagg aggcacaaaag gcagctccag aagattgaca 60
 aatctgaggg ccgcttccat gtccagaacc ttagccagggt ggagcaggat gngcggacgg 120
 ggcattggact ccgcagatct tccaagttct gcttgaagga gcacaaagcc ctcaagacgt 180
 taggcattcat catgggcact ttcaccctct gctggctgcc cttcttcacg gttaacattg 240
 tgcattgtgat ccaggataac ctcatccgta agaagtttac 280

<210> 370
 <211> 418
 <212> DNA
 <213> Homo sapiens

<400> 370
 ggccgcccctt tttttttttt ttttttcccg ggctttttttg ggaaaaaccc ccctttccca 60
 taaaaaaaatt tttttggggg tttcccaatt tttttttcca atttcaaata atttttttcc 120
 aaaaaaaaacc caaacccctt ggccctttttt tttttttttt aaagggcctt tttacttttc 180
 cccaaggagg ccttggggaa ataaaaaaaa cccggttggg gggcccaaaa aaaggggttg 240
 gcccccttga atccccatt ggtttggggg taaaaaaggc ccccccatgg gcccccttcc 300
 cccggggggg ggaaccccc ccgaagaccc ccccggggga aaccggggcc aaaaaaaaa 360
 ccctttaaaa ttttaaaaaa cgggcccccc cctaaaaaaa ctttttttta aaaagggg 418

<210> 371
 <211> 292
 <212> DNA
 <213> Homo sapiens

<400> 371
 ttaggggtata agttgctgta aaatttgtgt aaatttgtat ccacacaaat tcagtctctg 60
 aatacacagt attcagagtc tctgatacac agtaattgtg acaatagggc taaatgttta 120
 aagaaatcaa aagaatctat tagattttag aaaaacattt aaacttttta aaatacttat 180

taaaaaat	gtataagcca	cttgtcttga	aaactgtgca	actttttaaa	gtaaattatt	240
aagcagactg	gaaaagtgat	gtatttttcat	agtgacctgt	gtttcactta	at	292

<210> 372
 <211> 415
 <212> DNA
 <213> Homo sapiens

<400> 372						
tccttatttta	tttaacttca	cccgagttcc	tctggggtttc	taagcagtta	tggtgatgac	60
ttagcgtcaa	gacatttgct	gaactcagca	cattcgggac	caatatatag	tgggtacatc	120
aagtcacatct	gacaaaatgg	ggcagaagag	aaaggactca	gtgtgtgatc	cggtttcttt	180
ttgctcgccc	ctgttttttg	tagaatctct	tcatgcttga	catacctacc	agtattattc	240
ccgacgacac	atatacatat	gagaatatac	cttattttatt	tttgtgtagg	tgtctgcctt	300
cacaaatgtc	attgtctact	cctagaagaa	ccaaatacct	caatttttgt	ttttgagtac	360
tgtactatcc	tgtaaatata	tcttaagcag	gtttgttttc	agcactgatg	gaaaa	415

<210> 373
 <211> 326
 <212> DNA
 <213> Homo sapiens

<400> 373						
tccttatttta	tttaacttca	cccgagttcc	tctggggtttc	taagcagtta	tggtgatgac	60
ttagcgtcaa	gacatttgct	gaactcagca	cattcgggac	caatatatag	tgggtacatc	120
aagtcacatct	gacaaaatgg	ggcagaagag	aaaggactca	gtgtgtgatc	cggtttcttt	180
ttgctcgccc	ctgttttttg	tagaatctct	tcatgcttga	catacctacc	agtattattc	240
ccgacgacac	atatacatat	gagaatatac	cttattttatt	tttgtgtagg	ggtctgcctt	300
cacaaatgtc	attgtctact	cctaca				326

<210> 374
 <211> 324
 <212> DNA
 <213> Homo sapiens

<400> 374						
tccttatttta	tttaacttca	cccgagttcc	tctggggtttc	taagcagtta	tggtgatgac	60
ttagcgtcaa	gacatttgct	gaactcagca	cattcgggac	caatatatag	tgggtacatc	120
aagttcatct	gacaaaatgg	ggcagaagag	aaaggactca	gtgtgtgatc	cggtttcttt	180
ttgctcgccc	ctgttttttg	tagaatcttt	tcatgcttga	catacctacc	agtattattc	240
ccgacgacac	atatacatat	gagaatatac	cttattttatt	tttgagttagg	tgtctgcctt	300
cacaaatggc	attggctact	ccag				324

<210> 375
 <211> 466
 <212> DNA
 <213> Homo sapiens

<400> 375						
taactctggg	aggggctcga	gagggctggt	ccttattttat	tttaacttcac	ccgagttcct	60
ctggggtttct	aagcagttat	ggtgatgact	ttagcgtcaag	acatttgctg	aactcagcac	120
attcgggacc	aatatatagt	gggtacatca	agtccatctg	acaaaatggg	gcagaagaga	180
aaggactcag	tgtgtgatcc	ggtttctttt	tgctcgcccc	tgttttttgt	agaatctctt	240
catgcttgac	atacctacca	gtattattcc	cgacgacaca	tatacatatg	agaatatacc	300
ttattttattt	ttgtgtaggt	gtctgccttc	acaaatgtca	ttgtctactc	ctagaagaac	360
caaatacctc	aatttttgtt	tttgagtact	gtactatcct	gtaaatatat	cttaagcagg	420
tttggttttca	gcactgatgg	aaaataccag	tgttggggtt	tttttt		466

<210> 376
 <211> 324
 <212> DNA
 <213> Homo sapiens

<400> 376
 tccttatttta tttaacttca cccgagttcc tctgggtttc taagcagtta tggatgatgac 60
 ttagcgtcaa gacatttgct gaactcagca cattcgggac caatatatag tgggtacatc 120
 aagttcatct gacaaaatgg ggcagaagag aaaggactca gtgtgtgatc cggtttcttt 180
 ttgctcgccc ctgttttttg tagaatcttt tcatgcttga catacctacc agtattattc 240
 ccgacgacac atatacatat gagaatatac cttattttatt tttgagtagg tgtctgcctt 300
 cacaaatggc attggctact ccag 324

<210> 377
 <211> 326
 <212> DNA
 <213> Homo sapiens

<400> 377
 tccttatttta tttaacttca cccgagttcc tctgggtttc taagcagtta tggatgatgac 60
 ttagcgtcaa gacatttgct gaactcagca cattcgggac caatatatag tgggtacatc 120
 aagttcatct gacaaaatgg ggcagaagag aaaggactca gtgtgtgatc cggtttcttt 180
 ttgctcgccc ctgttttttg tagaatctct tcatgcttga catacctacc agtattattc 240
 ccgacgacac atatacatat gagaatatac cttattttatt tttgtgtagg ggtctgcctt 300
 cacaaatgtc attgtctact cctaca 326

<210> 378
 <211> 494
 <212> DNA
 <213> Homo sapiens

<400> 378
 atgccccgca tagatgcgga cctcaagctc gacttcaagg atgtcctgct ccgacctaaag 60
 cggagcagcc tcaagagccg agccgaggtg gatcttgaac gcaccttcac gtttcgaaat 120
 tcaaagcaga cctactcagg gattcccatc atcgtggcca acatggacac tgtgggcacg 180
 tttgagatgg cagccgtgat gtcacagcac tccatgttta cagcaattca taagcattac 240
 tccttggtatg actggaagct ctttgccaca aatcacccag aatgcctgca gaatgtagcc 300
 gtgagttcag gcagtgggca gaatgatctg gaaaagatga ccagcatcct ggaagctgtg 360
 ccacaggtta agtttatttg cctggatgtg gccaatgggt attcaaaaca ttttgtggaa 420
 ttcgtgaaac ttgtccgtgc caaatttcct gaacacacca ttatggcagg gaacgtggtg 480
 acaggagaaa tgggt 494

<210> 379
 <211> 243
 <212> DNA
 <213> Homo sapiens

<400> 379
 gccgctgcac catgccccgc atagatgcgg acctcaagct cgacttcaag gatgtcctgc 60
 tccgacctaa gcggacagcc tcaagagccg agccgaggtg gatcttgaac gcaccttcac 120
 gtttcgaaat tcaaagcaga cctactcagg gattcccatc atcgtggcca acatggacac 180
 tgtgggcacg tttgagatgg cagccgtgat gtcacagcac tccatgttta cagcaattca 240
 taa 243

<210> 380
 <211> 804

```

<212> DNA
<213> Homo sapiens

<400> 380
gcaaattgttt gattaattct gctcatatgc acatctgaaa gcatgagaca cactccacag 60
acagcacgca ctggagctgg tggggcagat gggcactcgc cgattaggta ttaatgtcaa 120
taatacgtgc ataaagtgtc gataaaataa cttaagtgtt aaaaaaacag acagtccacg 180
gtggctgcag gcacatgcag gcgggactgg gtcagacact ccagggtgc acatgttcca 240
gctggcctga gtccgacacg tcatagctgg ccttgtactt ggccaggatt ttcattgagg 300
gccgtagctt gagccaccac tgttcttttg gaatcctgtg ctcaaaatcc gtttgcttct 360
tcagctctgc cacaggtttg aaaaataacg tttcttttgc ttattcccag cacacaaatg 420
gaatcatcgg tggtaaattt ttttctctg ccccgggcct ccttgagttt tgcagtgatc 480
cactccatag ctctggcaga gattttgggt ccaaagtttc tatcaaatgg agaggggtgc 540
ccaccctgct gcatgtgacc cagcacgttc ttcctgcagt caaacacgcc tttgccctct 600
tctgaataca cgtggtaaatt gaagtcggtg gtgtagtttt cactgcagct ctcatctctg 660
agcacaaggc ctctctggat ggtggtcttc attttctccg tcaggtgctc cacgttggac 720
tgcagatcct gatgtcgaag ggctcttcga aatgtatgcg gcatcagtcg ggccgcagcc 780
ccccatgttg gcaggtagca cagt
804

<210> 381
<211> 624
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 514
<223> n = A,T,C or G

<400> 381
tggagttgta ggcaaattgt taattaattc tgctcatatg cacatctgaa agcatgagac 60
acactccaca gacagcacgc actggggctg gtggggcaga tgggcactcg ccgattagggt 120
attaatgtca ataatacgtg cataaagtgc tgataaaata acttaagtgt tacaaaaaca 180
gacagtccac ggtggctgca ggcacatgca ggccgggactg ggtcagacac tccagggtcg 240
cacatgttcc agctggcctg agtccgacac gtcatactgt gccttgtact tggccaggat 300
tttcatgagg ggccgtagct tgagccacca ctgttctttg ggaatcctgt gctcaaaatc 360
cgtttgcttc ttcagctctg ccacagggtg aaaaataacg tttcttttgc ttattcccag 420
cacacaaatg gaatcatcgg tggtaaattt ttttctctg ccccgggcct ccttgagttt 480
tgcagtgatc cactccatag ctctggcaga gatnttgggt ccaaagtttc tatcaaatgg 540
agaggtgccc caccctgctg atgtgacccc acacgttctt cctgagtcga acacgccttt 600
gccctcttct gaatacaagc tgggt
624

<210> 382
<211> 507
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 301, 460, 498
<223> n = A,T,C or G

<400> 382
ttttttggag ttgtaggaaa tgtttaattc tgctcatatg cacatctgaa agcatgagac 60
acactccaca agacagcacg cactggggct ggtggggcag atgggcactc gcgattagggt 120
attaatgtta ataatacgtg cataaagtgc tgataaaata acttaagtgt tacaaaaaca 180
gacagtccac ggtggctgca ggcacatgca ggccgggactg ggtcagacac tccagggtcg 240

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```

cacatgttcc agctggcctg agtcccgaca cgtcatagct ggccttgtag ttggccaggg 300
nttttcatga ggggccctag ctttgagcca ccacttgctt tttggggaat cctgtgcttc 360
aaaatcccg tttgcttctt tcagctcttc ccacagggtt gaaaaataac gttttctttt 420
tgcttatttc ccagcacaca aatgggattc atcgggtgggn aatTTTTTtC ctctgccccg 480
gggcttcttg agtttttnca gtgattc 507

```

```

<210> 383
<211> 224
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 198, 219
<223> n = A,T,C or G

```

```

<400> 383
atcagatccc aaagaccaat tgcaacgtag ctgtcatcaa cgtggggggca cccgcggctg 60
ggatgaacgc ggcggtacgc tcagctgtgc gcgtgggcat tgccgacggc acaggatgct 120
cgccatctat gatggtttga cggcttcgca agggccagat caaagaaatc ggctggacag 180
atgtcggggg ctggaccngc caaggaggct ccattcttng gaca 224

```

```

<210> 384
<211> 507
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 301, 460, 498
<223> n = A,T,C or G

```

```

<400> 384
ttttttggag ttgtaggaaa tgtttaattc tgctcatatg cacatctgaa agcatgagac 60
acactccaca agacagcacg cactggggct ggtggggcag atgggcactc gcgattaggt 120
attaatgtta ataatacgtg cataaagtgc tgataaaata acttaagtgt tacaaaaaca 180
gacagtccac ggtggctgca ggcacatgca ggcgggactg ggtcagacac tccagggctg 240
cacatgttcc agctggcctg agtcccgaca cgtcatagct ggccttgtag ttggccaggg 300
nttttcatga ggggccctag ctttgagcca ccacttgctt tttggggaat cctgtgcttc 360
aaaatcccg tttgcttctt tcagctcttc ccacagggtt gaaaaataac gttttctttt 420
tgcttatttc ccagcacaca aatgggattc atcgggtgggn aatTTTTTtC ctctgccccg 480
gggcttcttg agtttttnca gtgattc 507

```

```

<210> 385
<211> 224
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 198, 219
<223> n = A,T,C or G

```

```

<400> 385
atcagatccc aaagaccaat tgcaacgtag ctgtcatcaa cgtggggggca cccgcggctg 60
ggatgaacgc ggcggtacgc tcagctgtgc gcgtgggcat tgccgacggc acaggatgct 120
cgccatctat gatggtttga cggcttcgca agggccagat caaagaaatc ggctggacag 180

```

atgtcggggg ctggaccngc caaggaggct ccattcttng gaca 224

<210> 386

<211> 232

<212> DNA

<213> Homo sapiens

<400> 386

acgacagaag	ggtacggctg	cgagaagacg	acagatgggt	acggctgtga	gaagacgact	60
gatgggaaca	gctaaggact	gctaaacccc	actctgcac	aactgaacgc	aatcagcca	120
ctttaattaa	gctaagccct	tactagacca	atgggactta	aaccacaaa	cacttagtta	180
acagctaagc	accctaatac	actggcttca	atgtacttct	cccgccgtcg	gg	232

<210> 387

<211> 339

<212> DNA

<213> Homo sapiens

<400> 387

tactggtttt	ggagaacttg	tctacaacca	gggattgatt	ttaaagatgt	ctttttttat	60
tttacttttt	tttaagcacc	aaattttgtt	gttttttttt	ttttctccct	tccccacaaa	120
tcccttttaa	aatatttttg	ttaacccctt	ttccaacggg	ccgaggaaac	ttaaaacccc	180
tttttcctcg	gcctggttcc	tctttaattt	ttaatttttc	cccatcagtt	taaaggtttt	240
ggcatacttg	gcatcttttt	tcaaagggaa	aacttttttt	gccattcttt	ggacttcccc	300
ttttttaaag	gaaatggggg	ggccaaaagg	ggatttcaa			339

<210> 388

<211> 456

<212> DNA

<213> Homo sapiens

<400> 388

tttttttttt	tttttttttt	tttaaccatc	aaattcacag	ctatttttctg	cttttagtgt	60
gctcacagaa	aattagaaca	ccttaagcag	gagtttaata	gcattttttg	taagcaaagt	120
tacattccat	ctctaagtca	aattggtcaa	agcttctcca	gtatttataa	aacatgatag	180
acaagatgct	acacaaaacc	attgcatctg	aagattttgt	tttcttttat	tctcaaagac	240
gactggaaaa	gaaagcatta	tctgctgtaa	tcaaaaacat	accacagtat	aaacagttac	300
cattccactt	atcacagctt	ggttgagttt	agaattagtg	ttttaaaaag	tccaagatga	360
ctgcagtttt	acaaaaatgg	gcaggggtga	aagttgcaaa	cttcatgtgc	ttctggatat	420
caagatttgt	ttttatacaa	tagtcacagt	taaaaa			456

<210> 389

<211> 490

<212> DNA

<213> Homo sapiens

<400> 389

ttacattgaa	tactacatat	gtcgagggaa	tgcagaaaga	gttaaggaag	gcaggttgct	60
ctgctatgga	ggccactctt	cgttttccat	gtactgcatg	ctgtttgtgg	cactttatct	120
tcaagccagg	atgaagggag	actgggcaag	actcttacc	cccacactgc	aatttggctt	180
tggtgcccga	tccattttatg	tgggcctttc	tgcagttgct	gattataaac	accactggag	240
cgatgtgttg	actggactca	ttcagggagc	tctggttgca	atattagtgt	ctgtatatgt	300
atcggatttc	ttcaaagaaa	gaacttcttt	taaagaaaga	aaagaggagg	actctcatac	360
aactctgcat	gaaacaccaa	caactgggaa	tcactatccg	agcaatcacc	agccttgaaa	420
ggcagcaggg	tgcccaggtg	aagctggcct	gtttttctaaa	ggaaaatgat	tgccacaagg	480
caagaggatg						490

<210> 390
 <211> 334
 <212> DNA
 <213> Homo sapiens

<400> 390
 gaactcgggtg gtggccactg cgcagaccag acttcgctcg tactcgtgcg cctcgtttcg 60
 cttttcctcc gcaaccatgt ctgacaaacc cgatatgget gagatcgaga aattcgataa 120
 gtcgaaactg aagaagacag agacgcaaga gaaaaatcca ctgccttcca aagaaacgat 180
 tgaacaggag aagcaagcag gcgaatcgta atgaggcggtg cgccgccaat atgcactgta 240
 cattccacaa gcattgcctt cttatttttac ttcttttagc tgtttaactt tgtaagatgc 300
 aaagagggtg gatcaagatt aaatgactgt gctg 334

<210> 391
 <211> 377
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 349
 <223> n = A,T,C or G

<400> 391
 gaactcgggtg gtggccactg cgcagaccag acttcgctcg tactcgtgcg cctcgtttcg 60
 cttttcctcc gcaaccatgt ctgacaaacc cgatatgget gaggtcgaga aattcgataa 120
 gtcgaaactg aagaagacag agacgcaaga gaaaaatcca ctgccttcca aagaaacgat 180
 tgaacaggag aagcaagcag gcgaatcgta atgaggcggtg cgccgccaat atgcactgta 240
 cattccacaa gcattgcctt cttatttttac ttcttttagc tgtttaactt tgtaagacgc 300
 atagagggtg gatcaagttt aaatgactgt gctgcccctt tcacatcana gaactactga 360
 caacgaaggc cgcgcct 377

<210> 392
 <211> 555
 <212> DNA
 <213> Homo sapiens

<400> 392
 ctcggtgggtg gccactgcgc agaccagact tcgctcgtag tcgtgcgcct cgctttgctt 60
 ttctctcgca accatgtctg acaaaccga tatggctgag atcgagaaat tcgataagtc 120
 gaaactgaag aagacagaga cgcaagagaa aaatccactg ccttccaaag aaacgattga 180
 acaggagaag caagcaggcg aatcgtaatg aggcggtgcgc cgccaatatg cactgtacat 240
 tccacaagca ttgccttctt attttacttc ttttagctgt ttaactttgt aagatgcaaa 300
 gaggttggat caagttttaa tgactgtgct gcccctttca catcaaagaa ctactgacaa 360
 cgaaggccgc gcttgccctt cccatctgtc tatctatctg gctggcaggg aaggaaagaa 420
 cttgcatgtt ggtgaaggaa gaagtgggtt ggaagaagtg ggtgggacg acagtgaaat 480
 ctagagtaaa accaagctgg cccaaggtgt cctgcaggct gtaatgcagt ttaatcagag 540
 tgccattttt ttttt 555

<210> 393
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 393
 gctcaattgg actatgttga cctctatctt attcattctc caatgtctct aaagccaggt 60
 gaggaacttt caccaacaga tgaaaatgga aaagtaatat ttgacatagt ggatctctgt 120

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accacctggg aggccatgga gaagtgtgaag gatgcatgat tggccaagtc cattgggggtg 180
tcaaaacttca accgcaggca gctggagatg atcctcaaca agccaggact caagtacaag 240
cctggctgca accaggtaga aagtcattcg tatttcaacc ggagtaaatt gctagaatcg 300

```

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<210> 394
<211> 344
<212> DNA
<213> Homo sapiens

```

```

<400> 394
acagaagggt acggctgcga gaagacgaca gaagggtagc gctgcgagaa gacgacagaa 60
gggtacggct gcgagaagac gacagaaggg taaaacactg aactgacaat taacagccca 120
atatctacaa tcaaccgaca agtcattatt accctcactg tcaacccaac acaggcatgc 180
tcataaggaa aggttaaaaa aagtaaaagg aactcggaac atcttaccac gcctgtttac 240
caaaaacatc acctgtagca tcaccagtat tagaggcacc gcctgccagc tgacacatgt 300
ttaacggcgc cggtagccta accgtgcaaa ggtagcataa tcac 344

```

```

<210> 395
<211> 507
<212> DNA
<213> Homo sapiens

```

```

<400> 395
tgctcgggtc ttccgaggaa gctaaggctg cgttgggggtg aggccctcac ttcattccggc 60
gactagcacc gcgtccggca gcgccagccc tacactcgcc cgcgccatgg cctctgtctc 120
cgagctcgcc tgcattactc cggccctcat tctgcacgac gatgaggtga cagtcacgga 180
ggataagatc aatgccctca ttaaagcagc cgggtgtaaat gttgagcctt tttggcctgg 240
cttggtttgca aaggccctgg ccaacgtcaa cattgggagc ctcatctgca atgtaggggc 300
cgggtggacct gctccagcag ctggtgctgc accagcagga ggtcctgcc cctccactgc 360
tgctgctcca gttgaggaga agaaagtgga agcaaagaaa gaagaatccg aggagtctga 420
tgatgacatg ggctttggtc tttttgacta aacctctttt ataactgtt caataaaaag 480
ctgaacttta aaaaaaaaaa aaaaaaa 507

```

```

<210> 396
<211> 488
<212> DNA
<213> Homo sapiens

```

```

<400> 396
gaggccctca cttcatccgg cgactagcac cgcgtccggc agcgccagcc ctacactcgc 60
ccgcgccatg gcctctgtct ccgagctcgc ctgcatctac tcggccctca ttctgcacga 120
cgatgaggtg acagtcacgg aggataagat caatgccctc attaaagcag ccggtgtaaa 180
tgttgagcct ttttggcctg gcttgtttgc aaaggccctg gccaacgtca acattgggag 240
cctcatctgc aatgtagggg ccggaggacc tgctccagca gctggtgctg caccagcagg 300
aggctcctgc cctgcactg ctgctgctcc agttgaggag aagaaagtgg aagcatagaa 360
agaagaatcc gacgagtctg atgatgacat gggctatggg ctttttgact aaacctcttt 420
tataacatgt tcaataaaaa gctgaacttt aaaaagaaaa aaaaaaaact cgagcctcta 480
gaactata 488

```

```

<210> 397
<211> 180
<212> DNA
<213> Homo sapiens

```

```

<400> 397
ctgcgttggg gtgaggccct cacttcatcc ggcgactagc accgcgtccg gcagcgccag 60

```

```

ccctacactc gccgcgcgcca tggcctctgt ctccgagctc gcctgcatct actcggccct 120
cattctgcac gacgatgagg tgacagtcac ggaggataag atcaatgccc tcattaaagc 180

```

```

<210> 398
<211> 491
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 12, 154, 255, 348, 368, 402, 409, 450, 471
<223> n = A,T,C or G

```

```

<400> 398
tttttttttt tntttcactg ttcaagggtt attggggggt ttagttggta taacacttgg 60
atagttgggt gcattgtttg tatgtagatc tttttacatt atatggtaat gtacactact 120
gatatagttc acaaaataag atcctttgga aganttatac acaagacatg atattggatt 180
tatacactgg atcccaggga tgtgactcac tgggaaaaaa tgttggacta ggcattgttc 240
gtgaaggagc caggnagtta tataacacac ggtaaacatc cacctggctc aaggggcaaa 300
tgcagtacgt acagcattgg cagtgggtgcg tcagaggtgg cagaactntt tcacactaac 360
cagttganga ctacacaaga ttaataccat ccagcatcag gntatagcnt gtggatttta 420
caaaccatth cttatttcta actttcaggn gttgatgttt ttcccagtc ntcttaaaat 480
ttttactgct t                                     491

```

```

<210> 399
<211> 235
<212> DNA
<213> Homo sapiens

```

```

<400> 399
tgattttctgt ggatcccagc ttgggtccag gaattttgtg tgattggctt aaatccagtt 60
ttcaatcttc gacagctggg ctggaacgtg aactcagtag ctgaacctgt ctgaccgggt 120
cacgttcttg gatcctcaga actctttgct cttgtcgggg tgggggtggg aactcacgtg 180
gggagcgggtg gctgagaaaa tgtaaggatt ctggaataca tattccatgg gactt      235

```

```

<210> 400
<211> 465
<212> DNA
<213> Homo sapiens

```

```

<400> 400
tacggctgcg agaagacgac agaagggtac ggctgcgaga agacgacaga agggtacggc 60
tgcgagaaga cgacagaagg gtacggctgc gagaagacga cagaagggtg atttctgtgg 120
atcccagctt ggttccagga attttgtgtg attggcttaa atccagtttt caatcttcga 180
cagctgggct ggaacgtgaa ctcagtagct gaacctgtct gaccgggtca cgttcttggg 240
tcctcagaac tctttgctct tgtcgggggt ggggtgggaa ctcacgtggg gagcgggtggc 300
tgagaaaaatg taaggattct ggaatacata ttccatggga ctttcttcc ctctcctgct 360
tcctcttttc ctgctcccta acctttcgcc gaatggggca gcaccactga cgtttctggg 420
cggccagtgc ggctgccagg ttctgtact actgccttgt acttt      465

```

```

<210> 401
<211> 243
<212> DNA
<213> Homo sapiens

```

```

<400> 401

```

```

tgattttctgt ggatcccagc ttgggttcag gaattttgtg tgattggcctt aaatccagtt 60
ttcaatcttc gacagctggg ctggaacgtg aactcagtag ctgaacctgt ctgacccggg 120
cacgttcttg gatcctcaca actctttgct cttgtcgggg tgggggtggg aactcacgtg 180
gggagcgggtg gctgagaaaa tgtaaggatt ctggaatata tattccatgg gactttcctt 240
ccc 243

```

```

<210> 402
<211> 506
<212> DNA
<213> Homo sapiens

```

```

<400> 402
ttctagcatc ctcttaacgt gcagcaaaaag caggcgacaa aatctcctgg ctttacagac 60
aaaaatattt cagcaaacgt tgggcatcat ggtttttgaa ggcttttagtt ctgctttctg 120
cctctcctcc acagcccca cctcccaccc ctgatacatg agccagtgat tattcttggt 180
cagggagaag atcattttaga tttgttttgc attccttaga atggagggca acattccaca 240
gctgccttgg ctgtgatgag tgtccttgca ggggcgggag taggagcact ggggtggggg 300
cggaattggg gttactcgat gtaagggatt ccttggtgtt gtgttgagat ccagtgcagt 360
tgtgatttct gtggatccca gcttggttcc aggaattttg tgtgattggc ttaaattccag 420
ttttcaatct tcgacagctg ggctggaacg tgaactcagt agctgaacct gtctgacctg 480
gtcacgttct tggatcctca gaactc 506

```

```

<210> 403
<211> 390
<212> DNA
<213> Homo sapiens

```

```

<400> 403
gtagtgcct ctctttcagc agttaccagc ggtttttgga gtctctggat gattttttaca 60
ttcttagcag tggattgata ttgctgcaga ccacaaacag tgtgtttaat aaaaccctgc 120
taaagcaggt aatacccgag actctcctgt cctggcaaaag agtccgtgtg gccaatatga 180
tggcagatag tggcaagagg tgggcagaca tcttttcaaa atacaactct ggcacctata 240
acaatcaata catggttctg gacctgaaga aagtaaagct gaaccacagt cttgacaaaag 300
gcaactctgta cattgtggag caaattccta catatgtaga atattctgaa caaactgatg 360
ttctacggaa aggatattgg cctcctaca 390

```

```

<210> 404
<211> 372
<212> DNA
<213> Homo sapiens

```

```

<400> 404
aggagattca gaagcacaac cacagcaaga gcacctggct gatcctgcac cacaaggtgt 60
acgatttgac caaatttctg gaagagcatc ctggtgggga agaagtttta agggaacaag 120
ctggaggtga cgctactgag aactttgagg atgtcgggca ctctacaaat gccagggaaa 180
tgtccaaaac attcatcatt ggggagctcc atccagatga cagaccaaag ttaaacaagc 240
ctccggaaac tcttatcact actattgatt ctagtctcag ttggtggacc aactgggtga 300
tccctgccat ctctgcagtg gccgtcgct tgatgtatcg cctatacatg gcagaggact 360
gaacacctcc tc 372

```

```

<210> 405
<211> 619
<212> DNA
<213> Homo sapiens

```

```

<400> 405
tcccgggtgg agctggctga gtcgcgcgct ctgctccacc cgacggggct gtgtgtgctg 60

```

ggcctggctc	gcggcgaacc	gagatggcag	agcagtcgga	cgaggccgtg	aagtactaca	120
ccctagagga	gattcagaag	cacaaccaca	gcaagagcac	ctggctgac	ctgcaccaca	180
aggtgtacga	tttgaccaa	tttctggaag	agcatcctgg	tggggaagaa	gttttaaggg	240
aacaagctgg	aggtgacgct	actgagaact	ttgaggatgt	cgggcactct	acaaatgcc	300
gggaaatgtc	caaaacattc	atcattgggg	agctccatcc	agatgacaga	ccaaagttaa	360
acaagcctcc	ggaaactctt	atcactacta	ttgattctag	ttccagttgg	tggaccaact	420
gggtgatccc	tgccatctct	gcagtggccg	tcgccttgat	gtatcgccct	tacatggcag	480
aggactgaac	acctcctcag	aagtcagcgc	aggaagagcc	tgctttggac	acgggagaaa	540
agaagccatt	gctaactact	tcaactgaca	gaaaccttca	cttgaaaaca	atgattttta	600
tatatctctt	tctttttct					619

<210> 406
 <211> 499
 <212> DNA
 <213> Homo sapiens

<400> 406	
taagctcgga	attcggctcg
tcccagatga	ggtggggccc
ctgtgggctt	gctcaaagcc
cagtttctaag	cccatatgag
ctcgggacct	atgactaccc
gactggaggc	ttgcttggac
cacagtgatc	aggggaaggg
caatactgtt	ctgtcatctg
ttaatatata	aaaaaaaaa

<210> 407
 <211> 229
 <212> DNA
 <213> Homo sapiens

<400> 407	
ggctccagct	gagctcctgc
aaccccatcc	cctgagcctg
gctggagcag	actggggctc
catcctatgg	gaccccagca

<210> 408
 <211> 467
 <212> DNA
 <213> Homo sapiens

<400> 408	
ggaagtctctg	cgctggctcg
cctggcagca	ggaagctgtt
ttaccagaag	ctctgatttg
ccggagctcc	atcccgact
aaaagatcct	catatgggtc
cgttggagat	gcttgatgct
ttgccctgac	ggtggttagg
gacacgagac	tttaacaagc

<210> 409
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 409
ggaagttctg cgctgggtcgg cggagtagca agtggccatg gggagcctca gcggtctgcg 60
cctggcagca ggaagctggt ttaggttatg tgaaagagat gtttcctcat ctctaaggct 120
taccagaagc tctgatttga agagaataaa tggattttgc acaaaaccac aggaaagtcc 180
cggagctcca tcccgcactt acaacagagt gcctttacac aaacctacgg attggcagaa 240
aaagatcctc atatggtcag gtcgcttcaa aaaggaagat gaaatcccag agactgtctc 300
gttggagatg cttgatgctg cagagatcaa gatgcgag 338

<210> 410
<211> 601
<212> DNA
<213> Homo sapiens

<400> 410
tttgcacgat gccttccaca tcccacggcg ctgctgctgg gggcagattg gcctggggag 60
gcagcacttg ctctccagct catctgggtt gcttttcccc gcagtggata tcacaggcta 120
aagggggggg cagtccccac catatttgag tctttctcca agttgcgcgg gacaaccaag 180
accaaaggac acagttaccc acctggcccc tctgaagtca gccggctcag acgatgcagg 240
aagcgtctgt ccgagggcgg agggcccaca actccatttt ctccacctcc acctgctgat 300
gtcacctgct ttctgtgga agaggcctca gcacctgcca ctttgccggc ctccccagct 360
gggaggctgg agcctggcct tagcagcccc ttttcagacc tactgggccc cttgggtgcc 420
caggcagatg aagcaggctg cagcgcccag ccttcaccag agcggcagcc ctccccctctc 480
gaaccacggc cagtctcccc ctacgcgtat atgctgcgcc tgccccacc cgccggagcc 540
tacatccaga atgaacacag ctaccaggtg ggcagcgcct tactctggaa gcggcgagcc 600
g 601

<210> 411
<211> 52
<212> DNA
<213> Homo sapiens

<400> 411
gcccccttggg tgcccaggca gatgaagcag gctgcagcgc ccagccttca cc 52

<210> 412
<211> 525
<212> DNA
<213> Homo sapiens

<400> 412
cgtttcgggt tctaggggtg ttacgaagct gcaggagcga gatggaggtg gacgcaccgg 60
gtgttgatgg tcgagatggg ctccgggagc ggcgaggctt tagcgaggga gggaggcaga 120
acttcgatgt gaggcctcag tctggggcaa atgggcttcc caaacactcc tactggttgg 180
acctctggct tttcctcctt ttcgatgtgg tgggtgtttct ctttgtgtat tttttgccat 240
gacttgttcg ctgatatcta aattaagaag ttggttcttg agtgaattct gaaaatggct 300
acaaacttct tgaataaaga agacaggact ctcaatagaa gaatttcaca tctccaaggg 360
accttctcct tcatttttaca ctttgttact aatttgcaga actctattaa ttgggttagga 420
tttcacccat tcctagctaa gttcttaaaa ttaaacctt tggttcgtgt ttaaaaactt 480
tcaaacatct gatggcttta caggggctga atataaaagc atttg 525

<210> 413
<211> 604
<212> DNA
<213> Homo sapiens

<220>

```

<221> misc_feature
<222> 12, 14, 18, 20, 24, 27, 29, 31, 33, 35, 54, 594, 595
<223> n = A,T,C or G

<400> 413
ttcgaaccca tncntttncn atcnganana ngntnctagt tcttctgaag accncatcga 60
ttcgttttcg tttctagggt tgttacgaag ctgcaggagc gagatggagg tggacgcacc 120
gggtgttgat ggtcgagatg gtctccggga gcggcgaggc tttagcgagg gagggaggca 180
gaacttcgat gtgaggcctc agtctggggc aaatgggctt cccaaacact cctactgggt 240
ggacctctgg cttttcatcc ttttcgatgt ggtggtgttt ctctttgtgt attttttgcc 300
atgacttggt cgctgatatc taaattaaga agttggttct tgagtgaatt ctgaaaatgg 360
ctacaaactt cttgaataaa gaagacagga ctctcaatag aagaatttca catctccaag 420
ggacccttcc tttcatttta cactttgtta ctaatttgca gaactctatt aattgggtag 480
gatttcaccc attcctagct aagttcttaa aattaaacc tttgggttcgt gtttaaaaac 540
tttcaaacat ctgatggctt tacaggggct gaatataaaa gcatttgtac ttannaaaaa 600
aaaa                                              604

<210> 414
<211> 285
<212> DNA
<213> Homo sapiens

<400> 414
ctctaacgtg ggcaacagag accctgtctc aaaaagaaaa tattcctggt agccctaaag 60
gctttacatg aggaatggta gaagtggctt tttgtttaaa ttagttgcat tcagcatata 120
tgaattgtct taaatatattt ggggatactc ccccgccctt taaacagggc ataagatctg 180
gtaaactctc tgtatatctt cctaccttcc aaaatcgctt ttagggttag tcaagtctgg 240
aatataattg ctgactataa agtttagcaat tatgctttta ggtga                      285

<210> 415
<211> 241
<212> DNA
<213> Homo sapiens

<400> 415
atttacactt gatggctaataa aaagatggac agctaattgac agaattatatt aatcgattag 60
aaagtcagca tcattttccag atagaaaagg ctctagttga gaaacttcag caggattttg 120
tagctgactg gtgctctgag ggagagtgcc tagcagctat taactccacc tataatactt 180
cagggtatat tttggatcca cacactgctg ttgcaaaagt ggttgacagat aggggtgcaag 240
a                                              241

<210> 416
<211> 315
<212> DNA
<213> Homo sapiens

<400> 416
cggcttcttg aagaggggggt gttgcggcag atccctgtag tgggcttcgt gctgaattgg 60
ttttctccgg tccaggcttc acagtaggga agaactttta acttgacagc aggctctctg 120
gagtcacacag aacctatata tgtctacaaa gcacaagggt caggagtcac gctgcctcca 180
acgccctcgg gcagtgcgac caagcagagg cttccaggcc agaagccttt taaaagggtcc 240
ctgcgaggtt cagatgcttt gagtgagacc agctcagtca gtcattattga agacttagaa 300
aagggtggagc gccta                      315

<210> 417
<211> 164
<212> DNA

```

<213> Homo sapiens

<400> 417

```
tggtatcccc gggctgcagg aattcgaatt ctgtgtgtgt gtgtgtgtat gaatgggata 60
tttattacat tatttagaaa gagaatgagt gtgttatgag gataatgtta tatacagtct 120
aagtggatgt ttctgtttgg cacagaatgt aggatttctg aaac 164
```

<210> 418

<211> 206

<212> DNA

<213> Homo sapiens

<400> 418

```
tatattttatt acattatattt gaaagagaat tagtgtgtta tgtggataat gttatatata 60
gccaaagtgg atgtttctgt ttggcaagga aggtaggatt tctgaaactc aggccttaac 120
caatagggtt gaagacaaga ccaattgaag agttaggaaa tgtgagtttt tgttacttct 180
gttattccag tcttggtttc attgtc 206
```

<210> 419

<211> 238

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 159, 227

<223> n = A,T,C or G

<400> 419

```
agcagtgtac ataatatcc agtaggaaac tgcttccaag tttaagcatg agtccccaa 60
actggagaaa acatatattt ctattctgag acaacaatca gaatacagac tttggattcc 120
aggtcacagt ttgcttttta gacaaggtaa agcaaagana gccacattgt gccatcttca 180
gctccagtgg ctttagcagt gactgtttga cataaaacat gtaaganttgt cttgttgg 238
```

<210> 420

<211> 504

<212> DNA

<213> Homo sapiens

<400> 420

```
cggcgtgctt gctgctggag ggtgatggcc ctgcaaggct gtgggctccg acctcaccgg 60
gagtcgacag cgagaggttc gccgaagagc gaggttctgg gcgagcgctg aacgccggcc 120
ccaagcacc cgggtcttta cacagtccgc gtccacagac tctgacgaag acgtggatct 180
gctctcgctt tagctgctcg cggtcctcca gatcatgtcc gcgactcctg cgactccgcg 240
cggaaaaaaa agtttgccag gcgtggactc aatgaccttt ccaagctgtg cgctcgctg 300
cctggaccgg gtctgagcgc ggctgcccag gttgaccttt ctgcgggagg gctttctcta 360
cgtgctgttg tctcactggg tttttgtcgg agccccacgc cctccggcct ctgattcctg 420
gaagaaaggg ttggtccct cagcaccccc agcatcccgg aaaatgggga gcaaggctct 480
gccagcgccc atcccgctcc accc 504
```

<210> 421

<211> 814

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 38, 93, 94, 95, 422, 440, 467, 474, 508, 519, 529, 535, 554,
557, 561, 565, 584, 594, 604, 619, 641, 655, 674, 679, 690,
695, 702, 704, 706, 712, 716, 724, 734, 737, 740, 743, 780,
781, 808, 813

<223> n = A,T,C or G

<400> 421

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cggggaacgga gctcggcgctg cttgctgctg gaggggtntg gccctgcaag gctgtgggct 60
ccgacctcac cgaggatcga cagcgagagg tnnncgaag agcgaggttc tgggcgagcg 120
ctgaacgccg gcccgaagca ccccggtct ttacacagtc cgcgtccaca gactctgacg 180
aagacgtgga tctgctctcg ctttagctgc tcgcggtcct ccagatcatg tccgcgactc 240
ctgcgactcc gcgcggaaaa aaaagtttgc caggcgtgga ctcaatgacc tttccaagct 300
gtgcgcctcg ctgcctggac cgggtctgag cgcggctgcc cagggtgacc tttctgcgg 360
aagggttttc tctacgtgct gttgctcatg ggtttttgtc ggagcccaa cgcccttcg 420
gncttttgat tcctggaaan aaaaggggtt ggttccctt caagcanccc caancattcc 480
ccgggaaaaa atgggggagc caaaggntt ttggccaang gcccgaatnc ccggnntcaa 540
ccggttgggt tggnaanttt naccnaaatt aacttccctt cctncaaggc ccnggaaaa 600
aacnttttcc cgggccacng ggggggaacc aaccttgcaa nggggccttg tacnnggtct 660
tcaaacggcg ggtnccaana acccttgcen ccantngaa cncctngggg 720
gttnttcccc aatngngcn ccnaaaaaac aaccccggtt ccaaccattt aagggaan 780
nggcgggggg gccccaaggg ccttttngg acnt 814
```

<210> 422

<211> 375

<212> DNA

<213> Homo sapiens

<400> 422

```
ctgacgaaga cgtggatctg ctctcgcttt agctgctcgc ggtcctccag atcatgtccg 60
cgactcctgc gactccgcgc ggaaaaaaa gtttgccagg cgtggactca atgacctttc 120
caagctgtgc gcctcgctgc ctggaccggg tctgagcgcg gctgcccagg ttgacctttc 180
tgccggaggg ctttctctac gtgctgttgc ctactgggt tttgtcgga gcccacgcc 240
ctccggcctc tgattcctgg aagaaagggt tgggtccctc agcaccacca gcatcccgga 300
aaatggggag caaggctctg cagcgcccat cccgctccac cgctcgctga gctcccaatt 360
actcttctgc aggcg 375
```

<210> 423

<211> 405

<212> DNA

<213> Homo sapiens

<400> 423

```
ggggacggag ctccggcgtgc ttgctgctgg agggatgatg ccctgcaagg ctgtgggctc 60
cgacctcacc gggagtcgac agcgagaggt tcgccgaaga gcgaggttct gggcgagcgc 120
tgaacgccgg ccccaagcac cccgggtctt tacacagtc cgcgtccacag actctgacga 180
agacgtggat ctgctctcgc tttagctgct cgcggtcctc cagatcatgt ccgcgactcc 240
tgcgactccg cgcggaaaaa aaagtttgc aggcgtggac tcaatgacct ttccaagctg 300
tgcgctcctc tgcttgacc gggctctgag cgcgctgcc aggttgacct ttctgcggga 360
gggctttctc tacgtgctgt tgtctcactg ggtttttgtc ggacc 405
```

<210> 424

<211> 139

<212> DNA

<213> Homo sapiens

<400> 424

```
ctcgtgttca gctgtcagaa taacagccaa taaaaactac aggagcaaaa cctctcagga 60
```

aggtgcttta aaaaagatgc atgaggaaga acaccatcaa caaatgtcca tcttacaact 120
gcaactgata caaatgaat 139

<210> 425
<211> 273
<212> DNA
<213> Homo sapiens

<400> 425
ttctggctgg gaagcgcgat tgtggcttta aaccaccatc atggtctagc aaagaggcaa 60
agaccaagac caccaagaag cgccctcagc gtgcaacatc caatgtgttt gccatgtttg 120
accagtcaca gattcaggag ttcaaagagg ccttcaacat gattgatcag aacagagatg 180
gcttcacgca caaggaagat ttgcatgata tgcttgcttc tctaggggaag aatcccactg 240
atgcatacct tgatgccatg atgaatgagg ccc 273

<210> 426
<211> 56
<212> DNA
<213> Homo sapiens

<400> 426
gggaaccgcc attctgcctg ggaaccgccca ttctggccgg gaaccgccat tatgac 56

<210> 427
<211> 365
<212> DNA
<213> Homo sapiens

<400> 427
ggcgcattct tacctgtcgg ggtgcggcga gtgtctcacc tctctgcact tccaaggact 60
cttgtcatct gccttaggcg ggaaatgctg ttgctggatt gcaacccgca ggtggatggg 120
ctgaagcatt tgctggagac aggggcctcg gtcaacgcac ccccgatcc ctgcaagcag 180
tcgcctgtcc acttagccgc aggaagcggc cttgcttgct ttcttctctg gcagctgcaa 240
acgggcgctg acctcaacca gcaggatgtt ttaggagaag ctccactaca caaggcagca 300
aaagttggaa gcctggagtg cctaagcctg cttgtagcca gtgatgccca aattgattta 360
tgtag 365

<210> 428
<211> 119
<212> DNA
<213> Homo sapiens

<400> 428
gagcgggtggc tgagaaatgt aaggattctg gaatacatat tccatgggac tttccttccc 60
tctcctgctt cctcttttcc tgctccctaa cctttcgccg aatggggcag caccactga 119

<210> 429
<211> 421
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 130, 185, 246, 256, 336, 361, 385, 412
<223> n = A,T,C or G

<400> 429

tttttttttt	tttttttgga	aataagtcaa	agcattgttt	atztatgaca	tatttacata	60
tttacaaaac	tgattttact	caatacatca	tcctgcgtaa	tatcataaaa	tgaacacccat	120
atcctgggan	taaaaatcca	tatttcttaa	taatttatgt	atagcccaac	ttttagaaca	180
tagantatta	tcaatttggc	ttcccaaact	acaaagtcct	gtttataatt	ttttctagcc	240
aaggancaga	gtaggntcaa	caggcatatt	aaagtaattt	agttaaccct	gaggtaatta	300
ctaacttggc	ataatttttg	aatgggggat	atatancaca	ctttccatct	ggcacttagg	360
ntacttatta	ctattcacac	tacnnttttg	gtatttatcc	acctcaattt	tncaacttcc	420
t						421

<210> 430
 <211> 481
 <212> DNA
 <213> Homo sapiens

<400> 430						
gggtagccgc	ttttcgtcga	ctcttaccgg	ttggctgggc	cagctgcgcc	gcggctcaca	60
gctgacgatg	ggggacccca	gcaagcagga	catcttgacc	atcttcaage	gcctccgctc	120
ggtgccact	aacaaggtgt	gttttgattg	tggtgccaaa	aaatcccagc	tgggcaagca	180
taacctatgg	agtgttcctt	tgcattgatt	gctcagggtc	ccaccggtca	cttggtgttc	240
acttgagttt	tattcgatct	acagagttgg	attccagctg	gtcatggttt	cagttgcgat	300
gcatgcaagt	cggaggaaac	gctagtgcac	cttccttttt	tcatcaacat	gggtgttcca	360
ccaatgacac	caatgccaag	tacaacagtc	gtgctgctca	gctctatagg	gagaaaatca	420
aatcgctcgc	ctctcaagca	acacggaagc	atggcactga	tctgtggctt	gatagttgtg	480
t						481

<210> 431
 <211> 136
 <212> DNA
 <213> Homo sapiens

<400> 431						
ggggtaagtt	tagaaatagc	gctgggcatg	tccagccctg	accacggcca	gctctggagg	60
gctgtccttt	ggctgtaccc	acttggaaga	gaaagaaaaa	gaaaaaaaaa	aaaaaaaaaa	120
aaaatttttt	tttttt					136

<210> 432
 <211> 578
 <212> DNA
 <213> Homo sapiens

<400> 432						
aaacaacaaa	caccagaaaa	attacctata	ccaatgatag	caaaaaacct	tatgtgtgaa	60
ctcgatgaag	actgtgaaaa	gaatagtaag	agggactact	taagttctag	ttttctatgt	120
tctgatgatg	atagagcttc	taaaaatatt	tctatgaact	ctgattcatc	ttttcctgga	180
atttctataa	tggaaagtcc	attagaaaag	cagcccttag	attcagatag	aagcattaaa	240
gaatcctctt	ttgaagaatc	aaatattgaa	gatccactta	ttgtaacacc	agattgccaa	300
gaaaagacct	caccaaaaagg	tgtcgagaac	cctgctgtac	aagagagtaa	ccaaaaaatg	360
ttaggtcctc	ctttggaggt	gctgaaaacg	ttagcctcta	aaagaaatgc	tgttgctttt	420
cgaagtttta	acagtcatat	taatgcaccc	aataactcag	aaccatccag	aatgaacatg	480
acttccttag	atgccaatgg	atatttcgtg	tgcctacagt	ggttcatatc	ccatggctat	540
aacccttact	caaaaaagaa	gacccgtgat	gccacatc			578

<210> 433
 <211> 229
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 35, 37
 <223> n = A,T,C or G

<400> 433
 gcctaggtgc ccaggctatg atgagttctgc ttttnangga ggtaggggaat gacatcttcc 60
 ttggacccaa agcttaaaaag taatgtatgc tttgctgacc actgtttgtt aggccttaaa 120
 caacattcac tgtggtggta tcaggcacac tgctatgtgc atcaattatt tttttgcttt 180
 ccaaacagaa tctctggggc acaagtttta cactcaagct aagtataac 229

<210> 434
 <211> 503
 <212> DNA
 <213> Homo sapiens

<400> 434
 tggtagcct gcaggtaccg gtccggaatt cccgggtcga cccacgcgtc cggcgctcatg 60
 gagctgacct ggttcccatc tactcctttg gagagaatga agtgtacaag cagggtgatct 120
 tcgaggaggg ctctctggggc cgatgggtcc agaagaagtt ccagaaatac attggttttcg 180
 ccccatgcat cttccatggt cgaggcctct tctcctccga cacctggggg ctggtgccct 240
 actccaagcc catcaccact gttgtgggag agcccatcac catccccaag ctggagcacc 300
 caaccagca agacatcgac ctgtaccaca ccatgtacat ggaggccctg gtgaagctct 360
 tcgacaagca caagaccaag ttcggcctcc cgggagactga ggtcctggag gtgaactgag 420
 ccagccttcg gggccaattc cctggaggaa ccagctgcaa atcacttttt tgctctgtaa 480
 atttggaagt gtcattgggtg tct 503

<210> 435
 <211> 248
 <212> DNA
 <213> Homo sapiens

<400> 435
 gcgtcatgga gctgacctgg ttcccatcta ctcttttga gagaatgaag tgtacaagca 60
 ggtgatcttc gaggagggt cctggggcgg atgggtccag aagaagttcc agaaatacat 120
 tggtttcgcc ccatgcatct tccatggtcg aggcctcttc tctccgaca cctggggggt 180
 ggtgcctact ccaagcccat caccactgtt gtgggagagc ccataccat cccaagctg 240
 gagcacca 248

<210> 436
 <211> 457
 <212> DNA
 <213> Homo sapiens

<400> 436
 atcttgtctc ttttcatcgt gatggtgtga tgctgacgag aatatcttat gctttcttca 60
 gcctgttgca atctgagcca atgattttct ttgcaactgat cctttctact ctggagagaa 120
 gctcttttga cacagatcct gccccgttta atagactcca gctgctggca ctgccttctg 180
 agttctttca cttccgaatt ctatctgtcc tgcagcccca ccacagtcaa tgactaagtt 240
 cctctggact ttcacatgga tcgtaataga caacttcac ctgtttttct taccagacct 300
 taaaatgtgc ctccaagaca gtcgtgggaa cagtatggag ccagcagcag aagccactca 360
 cgaaccaatg gaggagaaca actcagaaac agaccaagt caatctaagg tttaactttt 420
 ataagtcttt caagagagtc caactgtgta gtaagca 457

<210> 437
 <211> 589
 <212> DNA

<213> Homo sapiens

<400> 437

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gcttccaggt ctccttccag catccacaca agtacctgct ccactacctg gtttccctcc 60
agaactggct gaaccgccac agctggcagc ggacccctgt tgccgtcacc gcctgggccc 120
tgctgcggga cagctaccat ggggcgctgt gcctccgctt ccaggcccag cacatcgccg 180
tggcggtgct ctacctggcc ctgcaggtct acggagttga ggtgcccgcc gaggtcgagg 240
ctgagaagcc gtggtggcag gtgtttaatg acgaccttac caagccaatc attgataata 300
ttgtgtctga tctcattcag atttatacca tggacacaga gatcccctaa ggtcctggcc 360
caggcctgcc caaagagaag cccaggatgg tcggctgcct ggggacattg tcaccacgtc 420
gccatgacgg ctggtcccca caggaccagc tgggaggact ggttgtgctg ctggagaagg 480
gctggagaag gcaatggcat gctgccgctt tgccagtcct taaaagtcgc ggtgcagggtg 540
atggtgggag ccgcgcctcc agcgggcagg ccgggagtggt actgtgtgc 589
```

<210> 438

<211> 241

<212> DNA

<213> Homo sapiens

<400> 438

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cgcttccagg tctccttcca gcatccacac aagtacctgc tccactacct ggtttccctc 60
cagaactggc tgaaccgcca cagctggcag cggacccctg ttgccgtcac cgcctgggcc 120
ctgctgcggg acagctacca tggggcgctg tgccctcgct tccaggccca gcacatcgcc 180
gtggcggtgc tctacctggc cctgcaggtc tacggagttg aggtgcccgc cgaggtcgag 240
g 241
```

<210> 439

<211> 221

<212> DNA

<213> Homo sapiens

<400> 439

```
ttcagctctg caaacactgt cacatccttt cctggaaggg cactgaccat ccgtgcactg 60
ccaataaccc agagagctgc tccgtttcac tttcacccca ggactttatc aacttgttca 120
agttctgaat cccagcacat gacaacactt cagaagggtc cccctgctga ctggagagct 180
gggaatatgg catttggaac cttcatttgt aaatagtgtg c 221
```

<210> 440

<211> 228

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 191

<223> n = A,T,C or G

<400> 440

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gagctttctt aataaccgta cttctcaaaa tcagagtttt actgtttcaa taaatgttca 60
ccctagattg taagtgtttt gttgttgagc cctagatttt tttctactag tgtaaactctg 120
tattccctcc aagtatggtg ataaggggac tgagtcttat ttacatttgt acaatcacta 180
ctttacctgt ngtatattgca gtaagtcttt tgagccctat taaacctg 228
```

<210> 441

<211> 531

<212> DNA

<213> Homo sapiens

```

<400> 441
tttcttaata accgtacttc tcaaaatcag agttttactg tttcaataaa tgttcaccct 60
agattgtaag ttttttgttg ttgagcccta gatttttttc tactagtgtg aatctgtatt 120
ccctccaagt atgggtgataa ggggactgag tcttatttac atttgtacaa tcactacttt 180
acctgttgta tttgcagtaa gtcttttgag ccctattaaa cctgtcaatt ttcttgcct 240
gtcagaaaaac tgagattttg gctcaaaaat ggatgttatt aacaaagggg aacaatatag 300
atgtcttagt acaaagaaaa tgaaatgtaa gaggagattg tctggagttc aggggataga 360
gtgtcaagtc ttaaatgggt acatcttttt gctaagtgtt actcagaata tagttacaaa 420
tatgggtactt aaatatctag ctgaaatttg tttgtcccat gagcttctca catgagtcta 480
ctgggcaatt ttatgtgagt tttggtcaaa attggtaatc tcttttatct t 531

```

```

<210> 442
<211> 147
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 112
<223> n = A,T,C or G

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<400> 442
aacttgttac ccaataacaa tttaatgtta aatttggcct tcttctgtgt cccagcctct 60
taaattaata gatgggcctt tccattatca ttatgaccgg acattgtaaa gnacttaagg 120
taacacccag ttttctatta cttgccc 147

```

```

<210> 443
<211> 518
<212> DNA
<213> Homo sapiens

```

```

<400> 443
acctgaagaa tattagaaga aattgtgcac cctccacaaa acatacaaag tttaaaagtt 60
tggatctttt tctcagcagg tatcagttgt aaataatgaa ttaggggcc aaatgcaaaa 120
cgaaaaatga atcatctaca tgtagttagt aatttctagt ttgaactgta attgaatatt 180
gtggcttcat atgtattatt ttatattgta cttttttcat tattgatggg ttggacttta 240
ataagagaaa ttccatagtt tttaatatcc cagaagtgag acaatttgaa cagtgtattc 300
tggaatacaa cacactaact gaacagaagt gaatgcttat atatattatg atagccttaa 360
acctttttcc tctaatgcct taactgtcaa ataattataa ccttttaag cataggacta 420
tagtcagcat gctagactga gaggtaacaa ctgatgcaat tagaacagg actgatgctg 480
tcagtgttta acactatggt tagctgtggt tatgctat 518

```

```

<210> 444
<211> 76
<212> DNA
<213> Homo sapiens

```

```

<400> 444
gctgctcatg agcagcatgg acgacctgat acgccactgt aacgggaagc tgggcagcta 60
caaaatcaat ggccgg 76

```

```

<210> 445
<211> 308
<212> DNA
<213> Homo sapiens

```

<400> 445
gagcattatg agcattatgt cagaatagaa tagaattggg gttcgatctt aacaggccag 60
aaatgcctgg gtttttttgg tttgtttttg tttttgtttt tttatcaaat cctgcctgac 120
tgtctgcttg ttttgcctac catcgtgaca tctccatggc tgtaccacct tgtcgggtag 180
cttatcagac tgatgttgac tgttgaatct catggcaaca ccagtcgatg ggctgtctga 240
catttttgga tctttcatct gaccatccat atccaatgtt ctcatthaaa cattaccag 300
catcattg 308

<210> 446
<211> 530
<212> DNA
<213> Homo sapiens

<400> 446
tgtgttaatg ttttctagca tgtactctgg tttcaacaga cacaaattta tatgttaacc 60
cagttttctt gccgttctgt aagtgtttta ttcttagtgt gatttttttc cattgggatg 120
tttttgattg aacttgttca tttgttttg cttgggagga aaataaaca ttttactttt 180
ttccttttagg agcattatga gcattatgtc agaatagaat agaattgggg ttcgatctta 240
acaggccaga aatgcctggg ttttttttgg ttgtttttgt tttgtttttt ttatcaaata 300
ctgcctgact gtctgcttgt tttgcctacc atcgtgacat ctccatggct gtaccacctt 360
gtcgggtagc ttatcagact gatgttgact gttgaatctc atggcaacac cagtcgatgg 420
gctgtctgac attttggtat ctttcatctg accatccata tccaatgttc tcattthaac 480
attaccagc atcattgttt ataatcagaa actctgggtc ttctgtctgg 530

<210> 447
<211> 104
<212> DNA
<213> Homo sapiens

<400> 447
ggacgtgcct ggaaccacct cgtccacgtc cacgtccacc tgggggcctc gggaggctag 60
gccctcctc aaaggccac cagcccggcg ctcatgctga gcc 104

<210> 448
<211> 417
<212> DNA
<213> Homo sapiens

<400> 448
tatctttcat ctgaccatcc atatccaatg ttctcattta aacattaccc agcatcattg 60
tttataatca gaaactctgg tccttctgtc tgggtggcact taaagtcttt tgtgccataa 120
tgcagcagta tggagggagg attttatgga gaaatgggga tagtcttcat gaccacaaat 180
aaataaagga aaactaagct gcactgtggg ttttgaaaag gttattatac ttcttaacaa 240
ttcttttttt cagggacttt tctagctgta tgactgttac ttgaccttct ttgaaaagca 300
ttcccaaaat gctctatttt agatagttta acattaacca acataatttt ttttagatcg 360
agtcagcata aattttctaag tcagcctcta gtcgtggttc atctctttca cctgcat 417

<210> 449
<211> 630
<212> DNA
<213> Homo sapiens

<400> 449
tttttttttt tttttttttt ttggaatcgc aagaattccc aggccctctt tttatttaca 60
gtgataccaa accatccact tgcaaattct tgggtctccc atcagctgga attaagtagg 120
tactgtgtat ctttgagatc atgtatttgt ctccactttg gtggatacaa gaaaggaagg 180
cacgaacagc tgaaaaagaa gggatcacac ccgctccagc tggaatccag caggaacctc 240

tgagcatgcc	acagctgaac	acttaaaaga	ggaaagaagg	acagctgctc	ttcattttatt	300
ttgaaagcaa	attcatttga	aagtgcataa	atgggtcatca	taagtcaaac	gtatcaatta	360
gaccttcaac	ctaggaaaca	aaatTTTTTT	ttctatttta	taatacacca	cactgaaatt	420
atttgccaat	gaatcccaaa	gatttggtac	aaatagtaca	attcgtatTT	gctttcctct	480
ttcctttctt	cagacaaaca	ccaaataaaa	tgcaggtgaa	agagatgaac	cacgactaga	540
ggctgactta	gaaatTTtatg	ctgactcgat	ctaaaaaaaa	ttatgttggt	taatgttaaa	600
ctatctaaaa	tagagcattt	tgggaatgct				630

<210> 450
 <211> 596
 <212> DNA
 <213> Homo sapiens

<400> 450	
TTTTTTTTTT	TTTTTTTTTT
gtatgaagtt	ggcactgata
aaattatggt	gttacatata
caatatataa	aatgcaaacc
tgtatgcata	gtacagtatc
aagaaattaa	ccatgggggt
actgttggac	aattttttat
aagttgctat	atTTatgcct
acaatagtct	tacaatacta
tttataaaat	gtatatTTTT
tttggggtaa	aagttatatc
gagaacaaag	ggtgggaagg
taacagtggg	tacgttttgc
gaaacagcat	taagatacaa
gaaatatgga	atgtttataa
tttcatatac	aatttggcaa
taataagcta	cctttataca
aaaaaacatt	tataatgcaa
acataacaca	aagtttgtcc
gcaaattgtg	cacactgggtg
actact	

<210> 451
 <211> 559
 <212> DNA
 <213> Homo sapiens

<400> 451	
tggcgggttg	ctttccaaaa
gcttttttcc	agacttcaag
cttgatcaa	gtgacaggtt
agtgccagat	ttggaaaagg
tgaagcggtc	cctcttctctg
caagatggaa	ctgcttcctc
aaacaaggct	ggaggaatgc
gatggatttg	aaaaaaaaaag
atggaaaacc	agtgattttt
agcaagcttg	acttatatt
tgccgcggtg	ctgaaggctg
gagccgcgaa	tgccgtaggg
cttcttccac	atcacagccc
tcaacatgt	agccatagca
ttctgggggc	ccaggtaagt
ttgtcaacct	gggaaatacc
ttgcaggttt	tctgcagaaa
ataatattaa	tgcagctgtg
gggggtcaaaa	taggagcaca
ggagtccttg	tggaactgga

<210> 452
 <211> 638
 <212> DNA
 <213> Homo sapiens

<400> 452	
tgccggttg	cgttccaaat
cttttttcca	gacttcaagc
ttggatcaa	tgacaggttc
gtgccagatt	tggaaaaggc
gaagcgggtc	ctcttctctga
aagatggaa	tgcttcatcc
aacaaggctg	gaggaatgca
atggatttga	aaaaaaaaaga
tggaaaacca	gtgatttttc
ctgaaggctg	cagccgcgaa
cttcttccac	atcacagccc
tcaacatgt	agccatagca
ttctgggggc	ccaggtaagt
ttgtcaacct	gggaaatacc
ttgcaggttt	tctgcagaaa
ataatattaa	tgcagctgtg
gggggtcaaaa	taggagcaca
ggagtccttg	tggaactgga

gcaagcttga cttatatattg caagcaacta aattaattga cctgaaaaag cctatcaaat 600
actatcaaaa tgtactatga cattgagtcc ttcactgc 638

<210> 453
<211> 57
<212> DNA
<213> Homo sapiens

<400> 453
gactacattt ggggatgatg cattccttta agattgaatg attctgcctt tgggcag 57

<210> 454
<211> 538
<212> DNA
<213> Homo sapiens

<400> 454
gccgggctgc taattctgtt taattgttcc tgggctaaaa agaattagaa ggaagctgtc 60
tgtttccac tgcggttatg ttccagtaaa ttagacgtac tttctgatga atactaatta 120
gccactgagc atttgcaccc actgtctttg ctgggtgtgt gcagaacagc tgccaagttg 180
cccaagaccc tcgctatccc atccccctct cttgctttcc acttttgggc ttcctttgcc 240
tagattagaa gagatttcag ttccgagaaa gtaaaagggtg atccaaggaa gtaatcaccg 300
agtgtctcat ggtttttcct tgttgacaaa attcaaaact cacacatgtg tagtctaata 360
atagcgctag gattttaaaga aagtgtttta gtgctgtgct tatttaggac tacatttggg 420
gatgatgcat tcctttaaga ttgaatgatt ctgcccttgg gcagagctcc caattaggga 480
ggattaggta agctttttgt ggcatgggt aataccattc ttttctcat tgtgctg 538

<210> 455
<211> 548
<212> DNA
<213> Homo sapiens

<400> 455
tgaatcagta ggaatgtggg gaagggagtg aggggagacc ccctccttga ctcagcagtg 60
gtgacggtcg gtgtgtcctg cagacctgaa gccaaagatca agggggcttg agcaccagga 120
gccccgcag ttgctgaatg accagcggag ggcaggtgcc agcctgtggc aaaataggaa 180
agaaaaggac aggatgggga cttcaccatt tttttcagcc ttaaattgtt ccttaaacct 240
tcatgtcctt ttctctaata tgtgttcttg tttggtaaaa taaaaaagtt tgtaaccctg 300
agttctctaa agatatacat tcttttttac tggtttgtga agtcagaagg atgagagctg 360
ctatttcttg gaaccgtgca ataaatatta gcatattcag tctcggttct gcctagagga 420
cctatttgct tttctttatc tcgtaaccca taactcacag gacattaacc aggggtgtcca 480
agaacagtct gggaaagttt tgataattac ttcagcattg ctgtgtgatg ggagacattg 540
ttttaaaa 548

<210> 456
<211> 354
<212> DNA
<213> Homo sapiens

<400> 456
tcagtgggag tgaatcagta ggaatgtggg gaagggagtg aggggagacc ccctccttga 60
ctcagcagtg gtgacggtcg gtgtgtcctg cagacctgaa gccaaagatca agggggcttg 120
agcaccagga gccccgcag ttgctgaatg accagcggag ggcaggtgcc agcctgtggc 180
aaaataggaa agaaaaggac aggatgggga cttcaccatt tttttcagcc ttaaattgtt 240
ccttaaacct tcatgtcctt ttctctaata tgtgttcttg tttggtaaaa taaaaaagtt 300
tgtaaccctg agttctctaa agatatacat tcttttttac tggtttgtga agtc 354

<210> 457
 <211> 570
 <212> DNA
 <213> Homo sapiens

<400> 457
 cttttatagg attcatttaa aggtgaataa aataatgaat gtgaaactca tattagagct 60
 taacatatag tagtaatgat ttataaaata tttgcctccc ttagaccaga gcagctacta 120
 aatttgattt taataataag ataaacaaat taataagatc acaaagttgt tatgtaataa 180
 cataaacagc tgtgttaaaa ttagtagtga cccatatcaa agaaacacaa ttacaaagag 240
 attaagaagg ataatattta aagtgtagct ttactcagtc ttttgtgtga aggtattctt 300
 agggataaaa caatgtattt ggaagctgct ggaagaatat ggtgcaaaga atatttttaa 360
 atgcttgtga atgttctgta accacaaaca tagatacata acagatcaaa gacatatttt 420
 agactgccat gtggacttaa atcatgggag gcggaagagt ggctcccaa agaggactat 480
 atcgtaatac cagaacttgt gaatatatta ctttaagtg gaaaaggac tttacagatg 540
 tgattaaaat taaggacctt gaaatggggg 570

<210> 458
 <211> 540
 <212> DNA
 <213> Homo sapiens

<400> 458
 aactagactt cttttatagg attcatttaa aggtgaataa aataatgaat gtgaaactca 60
 tattagagct taacatatag tagtaatgat ttataaaata tttgcctccc ttagaccaga 120
 gcagctacta aatttgattt taataataag ataaacaaat taataagatc acaaagttgt 180
 tatgtaataa cataaacagc tgtgttaaaa ttagtagtga cccatatcaa agaaacacaa 240
 ttacaaagag attaagaagg ataatattta aagtgtagct ttactcagtc ttttgtgtga 300
 aggtattctt agggataaaa caatgtattt ggaagctgct ggaagaatat ggtgcaaaga 360
 atatttttaa atgcttgtga atgttctgta accacaaaca tagatacata acagatcaaa 420
 gacatatttg agactggcat gtggacttaa atcatgggag gcggaagagt ggctcccaa 480
 agaggactat atcgtagtac cagaacttgt gaatatatta ctttaagtg gaaaaggac 540

<210> 459
 <211> 622
 <212> DNA
 <213> Homo sapiens

<400> 459
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 gagtagaatc agttaaaaaac taatctttat atgtaaggga tgagagagag aaagaggagg 180
 gtatgtgtat gcacacatgt gtgtgtgtgt ggtgggtagt aattttaatt caatgattta 240
 ctagagttcg atgtcgtttg ctgataaatg aagcaggagg aagagccagg tttggagggg 300
 acgagagaat gagttccatt tgtctcatat agaagttgaa gtaactgagt gatgatgggt 360
 agagatgtcc ctccagggga gccacagtat tttatttact ttttattcac cacatgcagc 420
 aaggagcttt gttctccaaa atgctgtcaa ttatttttct aaattacagg tttgattgct 480
 tcaactgtatt ttcactgtct attactacct ttacgcttaa aaccagaaac tgtgccacag 540
 cgttaaagat tctgctaact tttaaaatac agaactctgg agatgccata attagattgc 600
 agatttatga gtcttctgga ta 622

<210> 460
 <211> 378
 <212> DNA
 <213> Homo sapiens

<400> 460
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caagaaggac ctcttctttt cttgcttttc atatgctctc cttgagatat cttgggtatt 120
ctcatggctt taaatagcac ttatatccag aagactcata aatctgcaat ctaattatgg 180
catctccaga gttctgtatt ttaaaagtta gcagaatctt taacgctgtg gcaaagtttc 240
tggttttaag cgtaaaggta gtaatgagac atgaaaatac cgtgaagcca tcaaacctgt 300
aatttaaaaa aataattgac agcatttttg agaacaaagc tccttgctgc atgtggggaa 360
taaaaagtaa ataaaata 378

<210> 461
<211> 396
<212> DNA
<213> Homo sapiens

<400> 461
ccttctgctc tacgagaact atgggcagtc ggaaacggga ctaattttgt ccacctactg 60
gggaatgaag atcaagccgg gtttcatggg gaaggccact ccacctacg acgtccaggt 120
cattgatgac aagggcagca tcttgccacc taacacagaa ggaaacattg gcatcagaat 180
caaacctgtc aggcctgtga gcctcttcat gtgctatgag ggtgaccag agaagacagc 240
taaagtggaa tgtggggact tctacaacac tggggacaga ggaaagatgg atgaagaggg 300
ctacattttg ttcttgggga ggagtgatga catcattaat gcctctgggt atcgcatcgg 360
gcctgcagag gttgaaagtg ctttggtgga gcacct 396

<210> 462
<211> 529
<212> DNA
<213> Homo sapiens

<400> 462
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tagtctcgaa ctctgggct taagcaatcc acacacctcg cttccaaaaa agctgggggt 120
acagggtgta gccatcacac ccagcctaata atacaatctc aaatatatttg ttttaaatca 180
ttacttactg aactataaag taaaactaat ttttagacag cattttaata catattttac 240
tttttaaagg ttataaagaa aacactaaca atatggaaaa tgcataattt aagaaaattg 300
aaatcaaata taatcttatg gctcaaaatc attagtgtta atattttgat acctaccttc 360
cccattttt gcctacgaat actgggttaa gagtttttaa atagttttgt ccttgctttg 420
taattttcgt atgttctcac aaaagagaag ctgaggaagc atttggctat tgggaaaatt 480
aattaataga tgttaactta ccaagatata ctataataga ttagacagc 529

<210> 463
<211> 485
<212> DNA
<213> Homo sapiens

<400> 463
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aatggaagtt agttgggtgc tatgatccaa aaactctatg ggtgaaaatt taaagtacag 180
atttcttatt taatcgttaa acagctttag ttgtgagttc tatgtcctgg tataatggat 240
cctgattatt aatgcattaa atatgcattc agtgaattca aatggtgcta attattcttt 300
taccaatcaa agaaaactca aagcatggga ttaagagggg ttggccaaaa gtatttggac 360
caggttgcat accaggacca tgaagaaatt gagaacagag cctacatctt ttatactatg 420
gctcaaagca agggctgttg gaatgtgctg cttctccaaa gtaggactta tgaaaaaatg 480
agggt 485

<210> 464
<211> 576

<212> DNA
<213> Homo sapiens

<400> 464
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taagagaacc ccaaagttgt caataggtat ttgctagaaa gttcagtggg tcaggggtggg 120
aatagcagct gaaattggca gggattttga ctattcaaatt aatgggtgag tagaagggat 180
ctgtggaata gccattatga cctcttgaaa ccaggcaact aggggggtccc ttctagaatg 240
atgctgcgta cctaagaaat tcagttagga gtggagtcaa aatgatcaga aaagatagag 300
atagttgtgg caaaagatga tctaagagtg tgtgtgtatg tgtgtgagtg agagagagaa 360
atctcaagaa atagtggcta tgggtgttgaa cactacatga aagcaaccta aaacagctgt 420
gtgaagttag aaaaggtact ctggaccata ttgccctgta aaagctcagg aaaactaatt 480
ttgcataaac ataagcaaca ggaaattatt gctgtcaaat ctattcaga gttattgtac 540
aaaaaaagag acaagaatcc ctatagacaa tgaaaag 576

<210> 465
<211> 459
<212> DNA
<213> Homo sapiens

<400> 465
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cttttagacat tatttcattg aaccttccca actgaaatta ttttatgatg ttataacatg 120
gatagtaact caagtagcaa taagttacac agttgtgccca tttgtgcttc tttctataaa 180
accatcactc acgtttttaca gctcctggta ttattgcctg cacattcttg gtatcttagt 240
attatcgttg ttgccagtga aaaaaactca aagaaggaag aatacacatg aaaacattca 300
gctctcacia tccaaaaagt ttgatgaagg agaaaattct ttgggacaga acagtttttc 360
tacaacaaac aatgttttga atcagaatca agaaatagcc tcgagacatt catcactaaa 420
gcagtgatcg ggaaggctct gagggctgtt ttttttttt 459

<210> 466
<211> 250
<212> DNA
<213> Homo sapiens

<400> 466
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ctatgagaaa taacttttaga cattattttca ttgaaccttc ccaactgaaa ttatttttatg 120
atgttataac atggatagta actcaagtag caataagtta cacagtgtgtg ccattttgtgc 180
ttcttttctat aaaaccatca ctcacgtttt acagctcctg gtattattgc ctgcacattc 240
ttggtatctt 250

<210> 467
<211> 509
<212> DNA
<213> Homo sapiens

<400> 467
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cattacacac aggagttata tgttaggtat tgttgctcca ttttacagaa gagaatccgc 120
aagggttaca gagtgaatca taggcataaa gtccttcagg tggtaaattgg caaggctggg 180
gttccaacca gtcttctctg gctccaggga ctggctcctt cagactacat ttcaccagct 240
gcctccagga acagaagacg ggaattcacc tttcatgcga catataccag aaacgtggac 300
ctcagccacc ctgggtccta tttgatcccc agggccttca tttggccctc gaataaaaaac 360
cttatttttt tatctcctta cttttccag aattcatagt aggacttggc tgggtgaaagg 420
ctgggttgctg agaaggctac agtgtggcta ggctgcagtt ccctgttatt acattgcccc 480
aggtattaat attgtatatt taggcagct 509

<210> 468
 <211> 554
 <212> DNA
 <213> Homo sapiens

<400> 468
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 catggacatc tcaatgtgcc attacacaca ggagttatat gttaggtatt gttgtcccat 120
 ttacagaag agaatccgca aggttcacag agtgaatcat aggcataaag tccttcagggt 180
 ggtaaattggc aaggctggtg ttccaaccag tcttctctgg ctccagggaac tggctccttc 240
 agactacatt tcaccagctg cctccaggaa cagaagacgg gaattcacct ttcattgcgac 300
 atataccaga aacgtggacc tcagccaccc tgggtcctat ttgatcccca gggccttcac 360
 ttggccctcg aataaaaacc ttattttttt atctccttac ctttccaga attcatagta 420
 ggacttggtc ggtgaaaggc tgggttgctga gaaggctaca gtgtggctag gctgcagttc 480
 cctgttatta cattgccccca ggtattaata ttgtatattt aggcagctgt tctcatccgt 540
 gcttggcagt gaaa 554

<210> 469
 <211> 537
 <212> DNA
 <213> Homo sapiens

<400> 469
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 tcaagaataa aagggcccaa gctagagagg ctgtcctcac aagcatcagc tgctgggggc 120
 ttccactcat ttctctctga aacaacagag aaagagacca tctctcattc gcagagcagc 180
 ccaaggcctt ctgaggagac tgtgagtctc ctctaagtca tttctctctg ctttgtagca 240
 gtggagctac caaggggtgag atgagcaggt tgagaggcct ctgaagcctg ctgggcacaa 300
 tgctctgtga taagtttcag ctccactgga gcttatcatc caccagcaat cgacttcattg 360
 gctgctgctc agaggcccta ggtgctgcgc tgctcactgc cctcacgtct ctgggacttc 420
 cacacataaa gccatctctt tccattgcac tatggcactt gtaggaggga tcccacactt 480
 agggcccaaa atgagaccat ttgagtcaaa tttctaattg tctttcaaatt tttatta 537

<210> 470
 <211> 492
 <212> DNA
 <213> Homo sapiens

<400> 470
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 tcaagaataa aagggcccaa gctagagagg ctgtcctcac aagcatcagc tgctgggggc 120
 ttccactcat ttctctctga aacaacagag aaagagacca tctctcattc gcagagcagc 180
 ccaaggcctt ctgaggagac tgtgagtctc ctctaagtca tttctctctg ctttgtagca 240
 gtggagctac caaggggtgag atgagcaggt tgagaggcct ctgaagcctg ctgggcacaa 300
 tgctctgtga taagtttcag ctccactgga gcttatcatc caccagcaat cgacttcattg 360
 gctgctgctc agaggcccta ggtgctgcgc tgctcactgc cctcacgtct ctgggacttc 420
 cacacataaa gccatctctt tccattgcac tatggcactt gtaggaggga tcccacactt 480
 agggcccaaa tg 492

<210> 471
 <211> 509
 <212> DNA
 <213> Homo sapiens

<400> 471
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tatacccagt	gatgtctcga	ttagcactta	ttataaaaaat	taaaattttat	aattcaacat	120
ttataccatc	cagaaaaagt	taaaatatat	taatagccta	tttctcttca	ataaagcgta	180
tatataactc	tatttggttaa	tgtttctatt	ctccatgaca	ttctgtttat	agataagccc	240
tatgctattt	ctagtcaagt	gctaactctct	tgaatgaagc	tgaattaggt	agtcaactac	300
tagatgtatc	ctgaaaagca	agtaatgtgt	atatttcatt	tattttatac	ataagagcta	360
cagactgttg	tcacaatctt	ttcaagggct	attaaattca	ttattttaac	taacattttt	420
gaacatctgt	cttatgttgt	taattgagga	catttctgaa	tgtataacaa	cataagaata	480
atagttgtta	aacttcaaag	agatgacag				509

<210> 472
 <211> 649
 <212> DNA
 <213> Homo sapiens

<400> 472						
caaattagcc	accactggag	tagatgacct	aaaagttctt	acaactctca	attataacca	60
gtgatgtctc	gattagcact	tattataaaa	attaaaaattt	ataattcaac	atttataacca	120
tccagaaaaa	gttaaaatat	attaatagcc	tatttctctt	caataaagcg	tatatataac	180
tctatttgtt	aatgtttcta	ttctccatga	cattctgttt	atagataagc	cctatgctat	240
ttctagtcaa	gtgctaactc	cttgaatgaa	gctgaattag	gtagtcaact	actagatgta	300
tcctgaaaag	caagtaatgt	gtatatttca	tttattttat	acataagagc	tacagactgt	360
tgtcacaatc	ttttcaaggg	ctattaaatt	cattatttta	actaacattt	ttgaacatct	420
gtcttatgtt	gttaattgag	gacatttctg	aatgtataac	aacataagaa	taatagtttt	480
taaacttcaa	agagatgaca	ggttaatgag	taaaggagaa	atatgaaata	tcacagaatt	540
ccttgacact	aaatgatgtt	ttgcaaatac	tgaacagaat	gatgtttgta	aactttccac	600
tggttttcaa	gagtcceaaa	acattagga	aatgtacatc	acctaactt		649

<210> 473
 <211> 494
 <212> DNA
 <213> Homo sapiens

<400> 473						
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agttttacat	ttcactggac	tagataaaaa	atggtgctaa	tatttatgta	gcttgatgct	120
atagttgctt	tggtatcaaa	cttaatacct	aacccatata	agatccttat	tatataattt	180
tgtgatcagt	aaaatgatat	tttaaagagt	gatcttaaaa	atatgacctg	gtcattgcac	240
aacgtttgca	tttgaaatga	atttttgtac	tataggggtg	atatggagtt	attcagtgca	300
agtgtgtgct	taatatcaaa	ccctatgcaa	ggagctatgt	ctagattttt	ggtccgaatt	360
tgccctcctc	aagcctacta	gtgtgagatg	gaaaaaaatc	gattgctctt	ttaatattat	420
ttccattttg	aaattctcga	cacttgaatg	aaggcagtag	aagcctcttt	ttggatttct	480
cttctaataa	caaa					494

<210> 474
 <211> 630
 <212> DNA
 <213> Homo sapiens

<400> 474						
aaaacatttt	tcttggtgac	tgctttggta	aaaaacagtt	tgatggatag	ttttacattt	60
cactggacta	gataaaaaat	ggtgctaata	tttatgtagc	ttgatgctat	agttgctttg	120
gtatcaaact	taatacctaa	cccatataag	atccttatta	tataattttg	tgatcagtaa	180
aatgatattt	taaagagtga	tcttaaaaaat	atgacctggg	cattgcacaa	cgtttgcatt	240
tgaaatgaat	ttttgtacta	taggggtggat	atggagttat	tcagtgcaag	tgtgtgctta	300
atatcaaacc	ctatgcaagg	agctatgtct	agattttttg	tccgaatttg	cctccttcaa	360
gcctactagt	gtgagatgga	aaaaaatcga	ttgctctttt	aatattattt	ccattttgaa	420
attctcgaca	cttgaatgaa	ggcagtagag	gcctcttttt	ggatttctct	tctaataaca	480

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aaacttttatt tagggaaggt ttccctgtgc tatecgttaagt ttgttttgag cactgcattc 540
acttttaaaat tctggaggaa caaaggctgg gcacataatc acaaagccca ggccacacaa 600
taattccggg gttgtatttt ctaagaacta                                     630

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<210> 475
<211> 156
<212> DNA
<213> Homo sapiens

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<400> 475
gggggagata aggcaaagag gcacttttgg atttctccat ctgagcagct ctgtgattca 60
ttatctgttc tagaaagcag cacacgcagt tccagcaaaa aaaaaaaaaa aaaaaaattt 120
tttttttttt cccccctttt tttttttttt ttcccc                                     156

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<210> 476
<211> 579
<212> DNA
<213> Homo sapiens

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<400> 476
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tgctgcttct cgcggcgctt gtggccccag ccacagccgc cactgcctac cgcccgact 120
ggaaccgtct gagcggccta acccgcgccc gggtagagac ctgcggggga tgacagctga 180
accgcctaaa ggaggtgaag gctttcgtca cgcaggacat tccattctat cacaacctgg 240
tgatgaaaca cctccctggg gccgaccctg agctcgtgct gctgggccgc cgctacgagg 300
aactagagcg catcccactc agtgaaatga cccgcgaaga gatcaatgcg ctagtgcagg 360
agctcggcct ctaccgcaag gcggcgcccc acgcgcaggt gccccccgag tacgtgtggg 420
cgccccgcaa gccccagag gaaacttcgg accacgctga cctgtaggtc cgggggcgcg 480
gcggagctgg gacctacctg cctgagtcct ggagacagaa tgaagcgcct agcatcccgg 540
gaatacttct cttgctgaga gccgatgccc gtccccggg                                     579

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<210> 477
<211> 472
<212> DNA
<213> Homo sapiens

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<400> 477
ggcttagcgg ataacaattt cacacaggag ctagcagaca ccacaagata ccaacagagc 60
ttctgaaaca gatacccata gcattggaga gaaaaacagc tcacagtctg aggaagatga 120
tattgaaaga aggaaagaag ttgaaagcat cttgaagaaa aactcagatt ggatatggga 180
ttggtcaagt cggccggaat atattccccc caaggagtct ctctaaacac ccgaagcgca 240
cggccaccct cagcatgagg aacacgagcg tcatgaagaa agggggcata ttctctgcag 300
aattttctgaa agatttcctt ccatctctgc tgcctctctc tttgctggcc atcgattgg 360
ggatctatat tggaaggcgt gtgacaacct ccaccagcac cttttgatga agaactggag 420
tctgacttgg ttcgttagtg gattacttct gagcttgcaa catagctcac tg                                     472

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<210> 478
<211> 355
<212> DNA
<213> Homo sapiens

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<400> 478
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aaggtcactg aaaaatcttc aattggacta tgggtgacct tatcttatac attttccatt 120
gtctgcaaag ccaggtgagg aagtgatccc aaaagatgac aatggaaaaa tactatttga 180
cacagtggat ctctgtgcca catgggaggg catggagaag tgtaaagatg cacgattggc 240
caagtccatc ggggtgtcca acttcaacca caggctgctg gagatgatcc tcaacaagcc 300

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agggctcaag tacaagcctg tctgcaacca ggtggaatgt catccttact tcaac 355

<210> 479
 <211> 510
 <212> DNA
 <213> Homo sapiens

<400> 479
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 ttgttttctc ccctatctgt attcccaaaa attacttttg ggctaattta acaagaactt 120
 taaattgtgt ttttaattgta aaaatggcag ggggtggaat tattactcta tacattcaac 180
 agagactgaa tagatatgaa agctgatttt ttttaattac catgcttcac aatgttaagt 240
 tatatgggga gcaacagcaa acaggtgcta atttgttttg gatatagtat aagcagtgtc 300
 tgtgttttga aagaatagaa cacagtttgt agtgccactg ttgttttggg ggggcttttt 360
 tcttttcgga aatcttaaac cttaagatac taaggacgtt gttttgggtg tactttggaa 420
 ttcttagtca caaaatatat tttgtttaca aaaatttctg taaaacaggt tataacagtg 480
 tttaaagtct cagtttcttg cttggggaac 510

<210> 480
 <211> 371
 <212> DNA
 <213> Homo sapiens

<400> 480
 ttccgttgct gtcggaattg aggaagagct gggggatgaa gctcgctttg ccggacataa 60
 ctccgtaaat ccagtggtgc tgtgattcct ctgcttgccg ggagacgtgg aacctctgtc 120
 tcatectcct ggaaccttgc tgtcctgacg tgtgatagtt caccctctga gatcccttga 180
 gccccagggt gcccagaact tccctgattg acctgctcgc ctgctccttg gcttacctga 240
 cctcttgctg tctctgctcg cctccttttc tgtgcccac tcattggggg tccgcacttt 300
 ccacttcttc ctttctcttt ctctcttccc tcaaaaacta gaaatgtgaa tgaggattat 360
 tataaaaggg g 371

<210> 481
 <211> 543
 <212> DNA
 <213> Homo sapiens

<400> 481
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 tctgcctggt gcacaaaatg gatctggttc aggaggatca gcgtgacctg attttttaaag 120
 agcgagagga agacctgagg cgtctgtctc gcccgctgga gtgtgcttgt tttcgaacgt 180
 ccatctggga tgagacgctc taaaaagcct ggtccagcat cgtctaccag ctgattccca 240
 acgttcagca gctggagatg aacctcagga attttgccca aatcattgag gccgatgaag 300
 ttctgctggt cgaaagagct acattcttgg ttatttccca ctaccagtgc aaagagcagc 360
 gcgacgtcca ccggtttgag aagatcagca acatcatcaa acagttcaag ctgagctgca 420
 gtaaattggc cgcttccttc cagagcatgg aagttaggaa ttccaacttc gctgctttca 480
 tcgacatctt cacctcaaat acgtacgtga tgggtggtcat gtcagatccg tcgatccctt 540
 ctg 543

<210> 482
 <211> 415
 <212> DNA
 <213> Homo sapiens

<400> 482
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 ggaacgcagc ttttacagaa caaataaccc caggggacgg ggcccccca ggatctaaca 120


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gcttttcagg gagctatggt gcaagctcaa aagtaatcca ctaacgaacc aagtcaaact 180
ccagtttttta ataaaaaggg gctgggggag gttgtcaaac cccttccaat ataaatcccc 240
aatccgatgg ccaccaaagt aaaaagcacc agggatggaa ggaaaacttt caaaaattct 300
gcaaaaaata tgcccccttt tttaatgacc ctcggttcc taatgctaag gggggccgcc 360
cccttcgggg gttaaaaaag gaactccttg gggggaatat tttcggccg acttg 415

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<210> 483
 <211> 240
 <212> DNA
 <213> Homo sapiens

```

<400> 483
tttttttttt taaagtcatt gagggcatgg ggttggcttg aaaccacctt tgggggggtcc 60
aatcccttcc ttttttgctt aaattttatg tatacgggtt cttcaaagtc gtggtagggg 120
ggggggcatc catatagtc ctccagggtt atggagggtt cttctactat taggactttt 180
cgcttcaaaa caaaggcttt tcaaattcatg aaaattttta attttctgc tgttaaaaaa 240

```

<210> 484
 <211> 293
 <212> DNA
 <213> Homo sapiens

```

<400> 484
tttttttttt aataaatctc ctaaggggat ggctactttt tctatctaaa taataatata 60
tagacctatt cgatcagaga tacaggggac taacaatcac aatcctgtga tcgacatccg 120
aacataagtc actatctatc agaataaaca atgatccaac gaataataga ggagtaaggg 180
gacatgtcca aagcatcagg tategtcatg atcgaaaacc actgtcaagc aagacacaaa 240
caaacaaaac agcttttacac acaagtcagc agtccaagcg ttcattgtcc aag 293

```

<210> 485
 <211> 221
 <212> DNA
 <213> Homo sapiens

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<400> 485
tttttttttt tcaagggaca ctttaattgt taacttaagg gatcatcaat tttgcctcac 60
tacctacaaa ggggaatttca tcttgctccc atgctgagta gggaaacagg gacaaagtta 120
atcataatac cctacatcaa aaaaaaacta agctaacact gctaactttt tttttaacag 180
gcaaaatata aatatatgcc ctctaaaatg cccaagggtt t 221

```

<210> 486
 <211> 563
 <212> DNA
 <213> Homo sapiens

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<400> 486
ttccgttgct gtcgcctccg ctctgctctt cgtggaacac gaccgtggtg cccggccctt 60
gggagccttg gggccagctg gctgctgct ctccagtcaa gtagcgaagc tcctaccacc 120
cagacaccca aacagccgtg gcccagagg tcctggccaa atatgggggc ctgcctaggt 180
tggtggaaca gtgctcctta tgtaaactga gccctttgtt taaaaaacia ttccaaatgt 240
gaaactagaa tgagagggaa gagataacat ggcattgcgc acacacggct gctccagttc 300
atggcctccc aggggtgctg gggatgcac caaagtgtt gtctgagaca gagttggaaa 360
ccctcaccaa ctggcctctt cacttccac attatcccgc tgccaccggc tgccctgtct 420
cactgcagat tcaggaccag cttgggctgc gtgcgttctg ccttgccagt cagccgagga 480
tgtagttgtt gctgccgtcg tcccaccacc tcagggacca gagggctagg ttggcactgc 540
ggcctcacc aggtcctggg ctc 563

```

<210> 487
 <211> 271
 <212> DNA
 <213> Homo sapiens

<400> 487
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 atgcttgatg ctgcaaagaa caagatgcga gtgaagatca gctatctaata gattgccctg 120
 acgggtggtag gatgcatctt catgggttatt gagggcaaga aggctgcccc aagacacgag 180
 actttaacaa gcttgaactt agaaaagaaa gctcgtctga aagaggaagc agctatgaag 240
 gccaaaacag agtagcagag gtatccgtgt t 271

<210> 488
 <211> 342
 <212> DNA
 <213> Homo sapiens

<400> 488
 ggcttgtaaat acgactcact atagggtctt ttttttttcg aattaaaaaa attccgtag 60
 ccttttctcc atctcctcta attctggtag catcttttga cccctaacac ttggcatctg 120
 ctacttcaga caaacaacc ctatgtaaat gacaaagaag gggcctcccc accttctccc 180
 tgtgttacta tttcaaaagc actactcggg gcacaggggt acaaatttct tatggccact 240
 agcatctttt ttcaattttc aaaggaatca tcaaacatct gggtaatta tacttaaatt 300
 acagaagccc ggaatttttag gcaacaggcc cctcatttta cc 342

<210> 489
 <211> 326
 <212> DNA
 <213> Homo sapiens

<400> 489
 tttttttttt aaaaagtcac ggaggccatg ggggttggtt gaaaccagct ttgggggggtt 60
 cgattccttc cttttttgtc taaattttat gtatacgggt tcttcaaata tgtggtaggg 120
 tggggggcat ccatatagtc actccaggtt tatggagggg tcttctacta ttaggacttt 180
 tcgcttcgaa gcgaaggctt ctcaaatac gaaaattatt aatattactg ctgttagaaa 240
 aatgaatgag cctaccgatg ataggatgtt tcatgtggtg tatgcatcgg ggtagtccga 300
 gtaacgtcgg ggcattccgg ataggg 326

<210> 490
 <211> 55
 <212> DNA
 <213> Homo sapiens

<400> 490
 tttttttttt tttttttttg agaaaccggg ggggggtttt tttttaaaat tgggg 55

<210> 491
 <211> 558
 <212> DNA
 <213> Homo sapiens

<400> 491
 cgccgcgtcc ccttctcgct cctgcggggc ccagctggg accccttcg cgactgggtac 60
 ccgcatagcc gcctcttcga ccaggccttc gggctgcccc ggctgccgga ggagtgggtc 120
 cagtgggttag gcggcagcag ctggccaggc tacgtgcgcc ccctgcccc cgccgccatc 180
 gagagccccg cagtggccgc gccgcctac agccgcgcgc tcagccggca actcagcagc 240

ggggtcttcg	gagatccggc	acactgccga	ccgctggcgc	gtgtccctgg	atgtcaacca	300
cttcgccccg	gacgagctga	cggtcaagac	caaggatggc	gtggtggaga	tcaccggcaa	360
gcacgaggag	cggcaggacg	agcatggcta	catctcccgg	tgcttcacgc	ggaaatacac	420
gctgcccccc	ggtgtggacc	ccacccaagt	ttcctcctcc	ctgtcccctg	agggcacact	480
gaccgtggag	gcccccatgc	ccaagctagc	cacgcagtcc	aacgagatca	ccatcccagt	540
caccttcgag	tcgcgggc					558

<210> 492
 <211> 370
 <212> DNA
 <213> Homo sapiens

<400> 492						
ggctagcgga	taacaatttc	acacaggatg	gattgggtcag	agtgaattga	atattgtaag	60
tcagccactg	ggacccgagg	atttctggga	ccccgcagtt	gggaggagga	agtagtccag	120
ccttcagggt	ggcgtgagag	gcaatgactc	gttacctgcc	gcccatacacc	ttggaggcct	180
tccttgccct	tgagtagaaa	agtcggggat	cggggcaaga	gaggctgagt	acggatggga	240
aactattgtg	cacaagtctt	tccagaggag	tttcttaatg	agatatttgt	atttatttcc	300
agaccaataa	atttgtaact	ttgcgaaaaa	aaaaaagccc	tatagtgagt	cgtattacaa	360
gccgaattcc						370

<210> 493
 <211> 560
 <212> DNA
 <213> Homo sapiens

<400> 493						
cagccagcat	gaccgagcgc	cgcgteccct	tctcgtctct	gcggggcccc	agctgggacc	60
ccttcgcgga	ctggtaccgc	catagccgcc	tcttcgacca	ggccttcggg	ctgccccggc	120
tgccggagga	gtggtcgcag	tggttaggcg	gcagcagctg	gccaggctac	gtgcgcccc	180
tgcctccgcg	cgccatcgag	agccccgcag	tggccgcgcg	cgcctacagc	cgcgcgctca	240
gccggcaact	cagcagcggg	gtctcggaga	tccggcacac	tgccgaccgc	tggcgcgtgt	300
ccctggatgt	caaccacttc	gccccggacg	agctgacggg	caagaccaag	gatggcgtgg	360
tggagatcac	cggcaagcac	gaggagcggc	aggacgagca	tggctacatc	tcccgggtgt	420
tcacgcggaa	atacacgctg	ccccccgggt	tggacccca	ccaagtttcc	tcctccctgt	480
ccctgagggg	cacactgacc	gtggaggccc	ccatgcccaa	gctagccacg	cagtccaacg	540
agatcaccat	cccagtcacc					560

<210> 494
 <211> 443
 <212> DNA
 <213> Homo sapiens

<400> 494						
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agattttacgc	cgatgaatat	gatagtgaat	tggatttttg	cgtaggtttg	gtctagggtg	120
tagcctgaga	ataggggaaa	tcagtgaatg	aagcctccta	tgatggcaaa	tacagctcct	180
attgatagga	catagtggaa	gtgagctaca	acgtagtacg	tgtcgtgtag	tacgatgtct	240
agtgatgggt	ttgctaatac	aatgccagtc	aggccacctc	cggtgaaaag	aaagatgaat	300
cctagggtctc	aaagcactgc	agcagatcat	ttcatattgc	ctccgtggag	tgtggcgagt	360
cagctaaata	ctttgacgcc	ggtggggata	gcgatgatta	tggtagcatc	atcctgtgtg	420
aaattgttat	ccgctaagcc	gaa				443

<210> 495
 <211> 249
 <212> DNA
 <213> Homo sapiens

<400> 495
 tttttttttt cgaaggattt ggcaaagatt tgtttttttt tccattttcca gtttttttaaa 60
 gtaaacacag atttgcttaa aataaagctg attttaaaag cccacaaaag ttgaacacaa 120
 aggagaggat taaattcccc aatgcagagt gataaaaagg aaaagatcct gagtaggtgc 180
 cttcagcaaa aaactgatca tccagggtga tcacctaata atcggagact taattcctta 240
 taatgcaaa 249

<210> 496
 <211> 434
 <212> DNA
 <213> Homo sapiens

<400> 496
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 cagtcgccaa gaatcatgaa agtcgccagt ggcagcaccg ccaccgccgc cgcggggcccc 120
 agctgcgcgc tgaaggccgg caagacagcg agcgggtgcg gcgagggtgt gcgctgtctg 180
 tctgagcaga gcgtggccat ctgcgcgtgc gccggggggcg cggggggcg cctgcctgcc 240
 ctgctggacg agcagcaggt aaacgtgctg ctctacgaca tgaacggctg ttactcacgc 300
 ctcaaggagc tgggtgccac cctgccccag aaccgcaagg tgagcaaggt ggagattctc 360
 cagcacgtca tcgactacat cagggacctt cagttggagc tgaactcgga atccgaagtt 420
 ggaacccccg gggg 434

<210> 497
 <211> 368
 <212> DNA
 <213> Homo sapiens

<400> 497
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 ttctcaaata atgaaaatta ttaatatatt tgctgttaga gaagtgaatg accctacaga 120
 tgataggatg tttcatgttg tgtatgcac ggggtagtcc gagtaacgtc ggggcattcc 180
 ggataggccg aaaaagtgtt gtgggaaaaa agttagattt accccgatga atatgatagt 240
 gaaatggatt ttggcgtagg tttggtctag ggtgtaccct gagaataggg gaaatcagtg 300
 aatgaagcct cctatgatgg caaatacagc tcctattgat aggacatagt ggaagtgagc 360
 tacaacgt 368

<210> 498
 <211> 482
 <212> DNA
 <213> Homo sapiens

<400> 498
 ccagccttcc tgtcccgggc cagcgcctctg acatgcagaa ggtgacctg ggctgcttg 60
 tgttcctggc aggttttcc gtcttgagc ccaatgacct agaagataaa aacagtcctt 120
 tctactatga ctggcacagc ctccagggtg gcgggctcat ctgcgctggg gttctgtgcg 180
 ccatgggcat catcatcgtc atgagtgcaa aatgcaaag caagtttggc cagaagtccg 240
 gtcaccatcc aggggagact ccacctctca tcacccagc ctgagcccaa agctgatgag 300
 gacagaccag ctgaaattgg gtggaggacc gttctctgtc ccagggtcct gtctctgcac 360
 agaaacttga actccaggat ggaattcttc ctctctgct gggactcctt tgcattggcag 420
 ggctcatct cacctctgcg aagagggtct ctttggtcaa ttttttttta tctaaaatga 480
 tt 482

<210> 499
 <211> 489
 <212> DNA
 <213> Homo sapiens

<400> 499
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 acacacgctc cagcccttca tcagcctggg cagtcttacc aaaatgttta aagtgatctc 120
 agagggggccc atggattaac gccctcatcc caaggctcgt cccatgacat aacactccac 180
 acccgcccca gccaaacttca tgggtcactt tttctggaaa ataatgatct gtacagacag 240
 gacagaatga aactcctgcg gctctttggc ctgaaagttg ggaatggttg ggggagagaa 300
 gggcagcagc ttattggttg tcttttcacc attggcagaa acagtgagag ctgtgtggtg 360
 cagaaatcca gaaatgaggt gtagggaatt ttgcctgcct tctgcagac ctgagctggc 420
 tttggaatga ggttaaagtg tcagggacgt tgctgagcc caaatgtgta gtgtggtctg 480
 ggcaggcag 489

<210> 500
 <211> 25
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Oligonucleotide primer

<400> 500
 ggaatcaccg ctttgccatc ttcaa 25

<210> 501
 <211> 25
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Oligonucleotide primer

<400> 501
 aacttctacc gtttcgccac taagg 25

<210> 502
 <211> 23
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Oligonucleotide primer

<400> 502
 gaccgtgtac tgcgtgtcgt gcg 23

<210> 503
 <211> 23
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Oligonucleotide primer

<400> 503
 gcgtgctgtg cgatcatgtgc cag 23

<210> 504

<211> 24
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Oligonucleotide primer

 <400> 504
 gccgtcttca ggcaacaact ccca 24

 <210> 505
 <211> 24
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Oligonucleotide primer

 <400> 505
 tgctggacga ggctgtcatc ttgc 24

 <210> 506
 <211> 25
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Oligonucleotide primer

 <400> 506
 acagggagaa aactggttgt cctgg 25

 <210> 507
 <211> 23
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Oligonucleotide primer

 <400> 507
 aaggcagaac ccatccactc caa 23

 <210> 508
 <211> 25
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Oligonucleotide primer

 <400> 508
 gctgctggat tcgtttggca taact 25

 <210> 509
 <211> 25
 <212> DNA

<213> Artificial Sequence

<220>

<223> Oligonucleotide primer

<400> 509

tcaatacggg ttgcttaggt cgtcg

25

<210> 510

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Oligonucleotide primer

<400> 510

tctcctctga gttcaaccgc tgct

24

<210> 511

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Oligonucleotide primer

<400> 511

tcgtcgccaa cttgagtctc ctct

24

<210> 512

<211> 406

<212> PRT

<213> Homo sapiens

<400> 512

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Lys	Glu	His	His	Asn	Gly	Asn	Phe	Thr	Asp	Pro	Ser	Ser	Val	Asn	Glu
			20					25					30		
Lys	Lys	Arg	Arg	Glu	Arg	Glu	Glu	Arg	Gln	Asn	Ile	Val	Leu	Trp	Arg
		35				40					45				
Gln	Pro	Leu	Ile	Thr	Leu	Gln	Tyr	Phe	Ser	Leu	Glu	Ile	Leu	Val	Ile
	50				55					60					
Leu	Lys	Glu	Trp	Thr	Ser	Lys	Leu	Trp	His	Arg	Gln	Ser	Ile	Val	Val
65					70				75					80	
Ser	Phe	Leu	Leu	Leu	Leu	Ala	Val	Leu	Ile	Ala	Thr	Tyr	Tyr	Val	Glu
			85					90						95	
Gly	Val	His	Gln	Gln	Tyr	Val	Gln	Arg	Ile	Glu	Lys	Gln	Phe	Leu	Leu
			100					105					110		
Tyr	Ala	Tyr	Trp	Ile	Gly	Leu	Gly	Ile	Leu	Ser	Ser	Val	Gly	Leu	Gly
		115				120						125			
Thr	Gly	Leu	His	Thr	Phe	Leu	Leu	Tyr	Leu	Gly	Pro	His	Ile	Ala	Ser
	130					135				140					
Val	Thr	Leu	Ala	Ala	Tyr	Glu	Cys	Asn	Ser	Val	Asn	Phe	Pro	Glu	Pro
145					150					155				160	
Pro	Tyr	Pro	Asp	Gln	Ile	Ile	Cys	Pro	Asp	Glu	Glu	Gly	Thr	Glu	Gly


```

gaaaactggg  tgtcctggat  gtttgaaaag  ttggtcggtg  tcatgggtgtg  ttacttcate  1140
ctatctatca  ttaactccat  ggcacaaagt  tatgccaaac  gaatccagca  gcggttgaac  1200
tcagaggaga  aaactaaata  a                                     1221

```

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<210> 514
<211> 338
<212> DNA
<213> Homo sapiens

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<400> 514
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cctggatggt  tgaaaagtcg  gtcgatgtca  tgggtgtgta  cttcatccta  tctatcatta  180
actccatggc  acaaagttat  gccaaacgaa  tccagcagcg  gttgaactca  gaggagaaaa  240
ctaaataagt  agagaaagtt  ttaaaactgca  gaaattggag  tggatggggt  ctgccttata  300
ttgggaggac  tccaagccgg  gaaggaaaat  tccctttt

```

```

<210> 515
<211> 186
<212> DNA
<213> Homo sapiens

```

```

<400> 515
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tttttgattg  aacttgttca  ttttgTTTTG  cttgggagga  aaataaacia  ttttactttt  180
ttcctt

```

```

<210> 516
<211> 118
<212> DNA
<213> Homo sapiens

```

```

<400> 516
acagggagaa  aactggttgt  cctggatggt  tgaaaagttg  gtcgttgtca  tgggtgtgta  60
cttcatecta  tctatcatta  actccatggc  acaaagttat  gccaaacgaa  tccagcag   118

```

```

<210> 517
<211> 338
<212> DNA
<213> Homo sapiens

```

```

<400> 517
gtgctgtccc  cggcataggt  ccatctctgc  agaagccatt  tcaggagtag  ctggaggctc  60
aacggcagaa  gcttcaccac  aaaagcgaaa  tgggcacacc  acagggagaa  aactggttgt  120
cctggatggt  tgaaaagttg  gtcgttgtca  tgggtgtgta  cttcatccta  tctatcatta  180
actccatggc  acaaagttat  gccaaacgaa  tccagcagcg  gttgaactca  gaggagaaaa  240
ctaaataagt  agagaaagtt  ttaaaactgca  gaaattggag  tggatggggt  ctgccttaaa  300
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```

```

<210> 518
<211> 186
<212> DNA
<213> Homo sapiens

```

```

<400> 518
tgtgttaatg  ttttctagca  tgtactctgg  tttcaacaga  cacaaattta  tatgttaacc  60

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cagtttttctt gccgttctgt aagtgtttta ttcttagtgt gatttttttc cattgggatg 120
tttttgattg aacttgttca ttttgttttg cttgggagga aaataaacia ttttactttt 180
ttcctt 186

```

```

<210> 519
<211> 118
<212> DNA
<213> Homo sapiens

```

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<400> 519
acagggagaa aactggttgt cctggatggt tgaaaagtgt gtcgttgtca tgggtgtgta 60
cttcaccta tctatcatta actccatggc acaaagtatt gccaaacgaa tccagcag 118

```

```

<210> 520
<211> 518
<212> DNA
<213> Homo sapiens

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```

<400> 520
tggaataacg tgtggacact ttctgggtacc tttttggacc ttctttggtg caaccctaata 60
tggaagagca ataataaaaa tgcataatcca gaaaattttt gttataataa cattcagcaa 120
gcacatagtg gagcaaatgg tggctttcat tgggtgctgtc cccggcatag gtccatctct 180
gcagaagcca tttcaggagt acctggaggc tcaacggcag aagcttcacc acaaaagcga 240
aatgggcaca ccacagggag aaaactgggt gtccctggatg tttgaaaagt tgggtcggtgt 300
catggtgtgt tacttcatcc tatctatcat taactccatg gcacaaagt atgccaaacg 360
aatccagcag cggttgaact cagaggagaa aactaaataa gtagagaaa ttttaaactg 420
cagaaattgg agtggatggg ttctgcctta aattgggagg actccaagcc gggaaggaaa 480
attccctttt ccaacctgta tcaattttta caactttt 518

```

```

<210> 521
<211> 493
<212> DNA
<213> Homo sapiens

```

```

<400> 521
agaatttcag cagttctctg atttttatat ttatttcttc ttctatcca atccctgcct 60
tttgagtcca ggtggttaagt acattttctt taacgttttt cctgcttttc ttcccaaatg 120
tgtctttttc tttgggtctac tgtacctgct ttccagtgtc gtccccggca taggtccatc 180
tctgcagaag ccatttcagg agtacctgga ggctcaacgg cagaagcttc accacaaaag 240
cgaaatgggc acaccacagg gagaaaactg cttgtcctgg atgtttgaaa agtcggtcga 300
tgtcatggtg tgttacttca tctatctat cattaaactc atggcacaaa gttatgccaa 360
acgaatccag cagcgggttg actcagagga gaaaactaaa taagtagaga aagttttaaa 420
ctgcagaaat tggagtggat gggttctgcc ttatattggg aggactcaa gccgggaagg 480
aaaattccct ttt 493

```

```

<210> 522
<211> 324
<212> DNA
<213> Homo sapiens

```

```

<400> 522
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gtagttgggg ttgcttactt ttcattttta attctttagg ttttgtaagt tacacacttc 180
aagcattata gatgactctc tttttactac tgaactaatg aagccttttt cattgcatta 240
aagttgggtc ttgtcatggt gtgttacttc atctatcta tcattaactc catggcacaa 300
agttatgcca aacgaatcca gcag 324

```

<210> 523
 <211> 456
 <212> DNA
 <213> Homo sapiens

<400> 523
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 aaatcatttc ttaatttttg attcatcaga atgcaatagt tggctaattg tccttttttag 120
 tgctgtcccc ggcataggtc catctctgca gaagccattt caggagtacc tggaggctca 180
 acggcagaag cttcaccaca aaagcgaaat gggcacacca caggagagaaa actggttgtc 240
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